



**Erler &
Kalinowski,
Inc.**

Consulting engineers and scientists

**QUARTERLY MONITORING AND
REMEDATION PROGRESS REPORT
FOURTH QUARTER 2006**

**13500 Paxton Street
Pacoima, California**

Prepared for:
Price Pfister, Inc.

29 January 2007

29 January 2007

Mr. Mohammad Zaidi
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Subject: Quarterly Monitoring and Remediation Progress Report –Fourth Quarter 2006
13500 Paxton Street, Pacoima, California
(EKI A20034.03)

Dear Mr. Zaidi:

On behalf of Price Pfister, Inc., Erler & Kalinowski, Inc. (“EKL”) is pleased to submit this monitoring and remediation progress report for the fourth quarter 2006 for the Former Price Pfister facility located at 13500 Paxton Street in Pacoima, California (the “Site”).

During the fourth quarter of 2006, Price Pfister monitored groundwater for chromium (total and hexavalent) and lead in accordance with the Regional Water Quality Control Board, Los Angeles Region (“RWQCB”) letter dated 12 June 2006 (RWQCB, 2006). Hexavalent chromium in groundwater was detected at elevated concentrations in wells MW-6, PMW-13 and new well PMW-38.

An SVE system, located in the southeast portion of the Site near the former Oil Staging Area, was constructed at the Site during June and July 2006 to address residual concentrations of volatile organic compounds (“VOCs”). Operation of the SVE system began on 15 August 2006 and the system has operated continuously since start-up with the exception of short unscheduled shutdowns due to high water levels in the condensate knock-out drum. Ongoing operation and monitoring is performed in accordance with permitting requirements and the RWQCB-approved work plan. The SVE system has been effective in reducing residual VOC concentrations.

Remedial soil excavation activities were performed during the third quarter 2006 in Area 6 (former Buildings B, D, and J) of the Site. Further investigation was performed during the fourth quarter 2006 to define a limited area planned for additional excavation. This excavation is expected to be performed during the first quarter of 2007 and will be reported to the RWQCB when completed.

Investigations conducted in the former Building A area in late-2006 are being evaluated.

Mr. Mohammad Zaidi, RWQCB
29 January 2007
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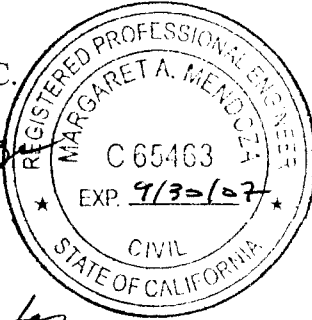
EKI

If you have any questions regarding the information presented herein, please call
Meg Mendoza or myself at (650) 292-9100.

Very truly yours,

ERLER & KALINOWSKI, INC.

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QUARTERLY MONITORING AND REMEDIATION PROGRESS REPORT FOURTH QUARTER 2006

Former Price Pfister, Inc. 13500 Paxton Street, Pacoima, California

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1 INTRODUCTION

This quarterly groundwater monitoring and remediation progress report has been prepared by Erler & Kalinowski, Inc. ("EKI") on behalf of Price Pfister, Inc. ("Price Pfister") and is provided in accordance with a request from the Regional Water Quality Control Board, Los Angeles Region ("RWQCB"). The Site is located at 13500 Paxton Street in Pacoima, California ("Site"). The location of the Site is shown on Figure 1.

This report includes a summary of groundwater monitoring activities and operation of the soil vapor extraction ("SVE") system located near the former Oil Staging Area of the Site performed during the fourth quarter 2006. Cumulative summaries of groundwater data collected during 2004 and 2005 were included in the quarterly monitoring report for the fourth quarter of 2005 (EKI, 2006a). Appendix A presents a summary of groundwater analytical data for monitoring well samples collected during 2006.

Groundwater monitoring at the Site was conducted in general accordance with the letter from the RWQCB dated 12 June 2006 (RWQCB, 2006b). Operation and monitoring of the SVE system were performed in accordance with permitting requirements of the South Coast Air Quality Management District; the *Soil Vapor Sampling Results and Workplan for Soil Vapor Extraction at the Former Oil Staging Area* ("SVE Work Plan"), dated 3 October 2005; the RWQCB letter dated 24 January 2006¹; and EKI's letter dated 28 February 2006².

The layout of the Site, including groundwater monitoring, soil vapor monitoring, and soil vapor extraction well locations is shown on Figure 2.

¹ RWQCB, 2006, Comments on Recent Soil Vapor Sampling Results and Work Plan for Soil Vapor Extraction at the Former Oil Staging Area, dated 24 January 2006.

² EKI, 2006, Response to RWQCB Comments Regarding the Recent Soil Vapor Sampling Results and Work Plan for Soil Vapor Extraction at the Former Oil Staging Area, 28 February 2006.

2 GROUNDWATER MONITORING

Groundwater monitoring activities were conducted by Blaine Tech Services, Inc. ("Blaine Tech") of Carson, California. EKI and Blaine Tech coordinated with Arcadis to schedule depth to groundwater measurements and groundwater sampling at the former Price Pfister Site and the Soco West site on the same dates in late-November 2006. The collection of groundwater samples for the fourth quarter was conducted on 29 and 30 November 2006. Depth to water level monitoring was performed on 29 November 2006.

2.1 Depth to Water Level Measurements

On 29 November 2006, all 19 Site groundwater wells were gauged consisting of the 17 on-Site groundwater monitoring wells (MW-4 through MW-8, PIAS-10, PMW-9 through PMW-15, PMW-21B, PMW-27, PMW-37, and PMW-38) and two off-Site groundwater monitoring wells (PMW-19 and PMW-20). Well construction details are presented in Table 1. Depth to groundwater measurements and groundwater elevations are presented in Table 2. Approximate groundwater elevation contours for November 2006 are illustrated on Figure 3. These contours include data for additional wells at and downgradient of the Soco West site, which were obtained from Arcadis.

Wells Well-A1 and Well-A2 were installed by the California Department of Toxic Substances Control ("DTSC") on the upgradient side of the Site. Arcadis performs sampling of Well-A1 and Well-A2 on behalf of the Soco West, Inc./Former Holchem ("Soco West") site, which is located approximately 500 feet north and hydraulically upgradient of the Site (Figure 3). Arcadis refers to these wells as PF-1A and PF-2A, respectively. Well PF-2A has been impacted by releases of volatile organic compounds ("VOCs"), including chlorinated VOCs, from the Soco West site.

During this monitoring event, groundwater elevations beneath the majority of the Site (i.e., wells MW-4 through MW-7, PMW-10 through PMW-12, PMW-27 PMW-37 and PMW-38) ranged between 988.28 (MW-7) and 990.2 (PMW-27) feet above mean sea level ("msl"). Depths to groundwater ranged between 47.27 (PMW-9) and 59.30 (PMW-27) feet beneath the ground surface ("bgs"). Compared to August 2006, groundwater elevations in November 2006 beneath the majority of the Site rose by an average of approximately 1 foot.

Groundwater elevations measured along the Louvre Street side of the Site (i.e., wells MW-8, PMW-13, PMW-14, PMW-15, PMW-19, and PMW-20) ranged between 967.86 feet msl (PMW-13) and 971.89 feet msl (PMW-15). Depths to groundwater in these wells ranged between 60.71 feet bgs (PMW-19) and 68.34 feet bgs (PMW-15). The groundwater elevations in these wells are lower than the rest of the Site due to the presence of apparent faults in this area. Compared to August 2006, groundwater elevations in these wells rose by approximately 0.5 feet.

The apparent general direction of shallow groundwater flow beneath the majority of the Site is toward the south-southeast. The magnitude of the groundwater gradient beneath the central portion of the Site for the fourth quarter 2006 is approximately 0.002 feet/foot ("ft/ft"). In the Louvre Street area, the direction of groundwater flow is toward the southwest with a gradient of approximately 0.005 ft/ft. These gradient directions and magnitude are generally similar to previous monitoring events.

A plot of groundwater elevation versus time for selected wells at the Site is shown on Figure 4. After trending downward (approximately 7 feet from 2000 to January 2005), the groundwater elevation under most of the Site has trended upward since January 2005 and returned to nearly the same elevation as observed in 2000.

2.2 Collection of Groundwater Samples

As approved by the RWQCB (RWQCB, 2006b), 11 groundwater monitoring wells were sampled in November 2006 for total chromium, hexavalent chromium and lead. These wells include MW-4 through MW-8, PMW-9, PMW-13, PMW-14, PMW-19, PMW-20, and PMW-38. Each groundwater sample was collected using low flow purging and sampling procedures. Each groundwater monitoring well was purged and sampled using its dedicated bladder pump.

During purging of groundwater prior to the collection of samples, field measurements of pH, temperature, conductivity, turbidity, dissolved oxygen, and oxidation-reduction potential were monitored and recorded at each well. These data are provided on the well purge and sampling forms included in Appendix B.

Groundwater samples were collected in containers supplied by the analytical laboratory, labeled, stored in an ice-filled chest, and transported to a state-certified analytical laboratory using appropriate chain of custody documentation.

2.3 Analysis of Groundwater Samples

Groundwater samples collected at the Site on 29 and 30 November 2006 and the associated field quality control samples were analyzed by Calscience Environmental Laboratories, Inc. ("Calscience") of Garden Grove, California using the following methods:

- chromium and lead by U.S. EPA Method 200.8, and
- hexavalent chromium by U.S. EPA Method 218.6.

2.4 Analytical Testing Results

In accordance with the approved groundwater monitoring program, samples collected during this quarter were analyzed for chromium, hexavalent chromium and lead. Analytical results are presented in Table 3. Analytical laboratory reports are included in Appendix C.

Lead was not detected in any of the groundwater samples analyzed. Total chromium was detected in 4 of the 11 wells sampled at concentrations ranging between 1.62 $\mu\text{g/L}$ (MW-7) and 1,780 $\mu\text{g/L}$ (PMW-38). Hexavalent chromium was detected in 10 of 11 wells at concentrations ranging between 0.21 $\mu\text{g/L}$ and 1,400 $\mu\text{g/L}$ (PMW-38).

Additional groundwater samples were collected from the top of water column in wells MW-6 and PMW-38 using a pre-cleaned bailer. The purpose of these samples was to determine if there is any stratification of hexavalent chromium concentrations in the well column. Results of the sampling indicate there is little to no stratification of hexavalent chromium concentrations between the top of the water column in the well casing and the well pump intake level (located approximately 7 to 8 feet below the top of water column).

2.5 Quality Control/Quality Assurance

Quality Assurance/Quality Control ("QA/QC") measures for the groundwater monitoring project include the collection of field quality control samples and laboratory QA/QC measures. Results of chemical analyses of field quality control samples are included in Table 3. A discussion of field and laboratory QA/QC results is presented in Appendix D.

3 SOIL VAPOR EXTRACTION

A SVE system has been operating in the southeast portion of the Site near the former Oil Staging Area since 15 August 2006 (see Figure 5). The system is operated in accordance with the SVE Work Plan and the South Coast Air Quality Management District (“SCAQMD”) permit. The SVE system has operated continuously since start-up with the exception of short unscheduled shutdowns due to high water levels.

The following sections summarize SVE system operation for the time period between October and December 2006.

3.1 Description of the Soil Vapor Extraction System and Soil Vapor Monitoring Wells

3.1.1 Soil Vapor Extraction and Treatment System

Two soil vapor extraction wells, PSVE-8 and PSVE-9, are utilized for the SVE system at the Site. SVE well locations and the SVE system layout are shown on Figure 5. The SVE wells are screened from approximately 30 to 50 feet below the ground surface (“bgs”). Well construction details are included in Table 1.

Soil vapor from the extraction wells is passed through a condensate knock-out vessel and through a 250 standard cubic feet per minute (“scfm”) blower. The vapor is then passed through a heat exchanger and two 1,000-pound granular activated carbon (“GAC”) vessels in series, and the treated vapor is exhausted to the atmosphere. The SVE system is operated under SCAQMD permit F62841 A/N 416492. A simplified process and instrumentation diagram for the SVE system is presented on Figure 6.

3.1.2 Soil Vapor Monitoring Wells

Eleven (11) soil vapor monitoring wells exist at the Site (PMW-9, PMW-10, PMW-11, PMW-12, PMW-13, PMW-14, PMW-15, PMW-17, SVMW-202, SVMW-203, and SVMW-204). Each vapor monitoring well has a minimum of 3 six-inch vapor monitoring probes. The probe depths within each well were installed approximately 15, 30, and 45 feet above the groundwater table at the time of installation. Three vapor monitoring wells located along the southeastern property boundary (wells PMW-13, PMW-14, and PMW-15) have a fourth probe located approximately 60 feet above the groundwater table due to a drop in the groundwater table along this Site boundary. Vapor monitoring well locations are presented on Figure 2.

Nine of the 11 vapor monitoring wells were sampled at the Site on 28 and 29 November 2006. Results of this sampling are discussed in Section 3.5. Wells SVMW-203 and SVMW-204 were not included in the monitoring program because they are outside the

influence of the SVE system and are located near Paxton Street, along the northern edge of the property.

3.2 Operation and Monitoring of the SVE System

Both SVE wells operated continuously during this reporting period with the exception of a few unscheduled shutdowns due to high water levels in the SVE system. Operation and maintenance of the SVE system is performed by Drewelow Remediation Equipment, Inc. ("Drewelow") of Escondido, California. Monitoring is performed weekly, in accordance with SCAQMD permit requirements.

Weekly monitoring of the SVE system consists of the following activities:

- Field analysis of VOC concentrations in extracted vapors at multiple points through the SVE system using a photoionization detector ("PID") calibrated with 50 parts per million by volume ("ppmv") hexane and 100 ppmv isobutylene.
- Measurement of air flow rate for each SVE well, the combined flow from all active SVE wells, and the air flow at the blower effluent;
- Measurement of vacuum in each operating SVE well and at the manifold combining all active SVE wells; and
- Recording of process data including system operation time, temperatures at the blower influent, blower exhaust, and GAC contactor influent locations; pressures; SVE wells on- and off-line; carbon monitoring and change-out data; monitoring the liquid level in the moisture separator at each blower influent; and maintenance activities.

Quarterly monitoring of the SVE system consists of the following activities:

- Sampling of extracted vapors from SVE wells for VOC analysis by EPA Method TO-15;
- Sampling of combined vapors extracted from the SVE wells at the blower influent for VOC analysis by EPA Method TO-15; and
- Measurement of vacuums in vapor monitoring wells.

In addition, system influent and effluent samples are collected approximately monthly.

Results of volatile organic compound analyses for the SVE wells and system for the fourth quarter 2006 are presented in Table 4. A summary of monitoring data for the SVE system is presented in Table 5. Summary tables of monitoring data recorded for individual wells are presented in Tables 6 and 7. Copies of field operation data sheets prepared by Drewelow during Site visits are presented in Appendix E.

During this reporting period, temporary automatic shutdowns of the SVE system occurred when water collected in the condensate knock-out drum neared the holding capacity and triggered the high water level shut-off valve. These temporary automatic shutdowns of the SVE system occurred on 8 October 2006; 3, 8, and 27 November 2006; and 18 December

2006. On 27 November 2006, the system storage capacity was increased from 100 gallons to 600 gallons to address this problem.

3.3 Soil Vapor Extraction Well and System Influent Sampling

On 1 November and 28 November 2006, EKI collected soil vapor samples for laboratory analysis from the undiluted blower influent (i.e., the combined total influent of the SVE wells). EKI collected soil vapor samples for laboratory analysis from wells PSVE-8 and PSVE-9 on 28 November 2006. Soil vapor samples were collected in Summa canisters, labeled with a unique sample identification number, and transported to Calscience analytical laboratories, Inc. of Garden Grove, California under appropriate chain-of-custody documentation. Samples were analyzed for VOCs using EPA Method TO-15. Analytical results for the samples are summarized in Table 4. Analytical laboratory reports are included in Appendix C.

Duplicate soil vapor samples were collected from the undiluted blower influent for the SVE system during both sampling events.

3.3.1 Soil Vapor Extraction Wells

During this reporting period, PCE was the only VOC detected above a concentration of 1 ug/L in the SVE extraction wells PSVE-8 and PSVE-9 (Table 4). VOC concentrations continued to decrease in the vapor extraction wells during the fourth quarter. On 28 November 2006 concentrations of PCE in wells PSVE-8 and PSVE-9 were detected at 2.7 µg/L and 6.1 µg/L, respectively.

3.3.2 SVE Blower Influent

During this reporting period, PCE was the only VOC detected above a concentration of 1 ug/L in the blower influent (i.e., 2.5 and 4.1 µg/L in the samples of undiluted influent collected on 1 November and 28 November 2006, respectively).

3.3.3 Quality Assurance/Quality Control ("QA/QC")

Quality Assurance/Quality Control ("QA/QC") measures for the soil vapor system monitoring project include the collection of field quality control samples and laboratory QA/QC measures. Results of chemical analyses of field quality control samples are included in Tables 4 and 8. A discussion of field and laboratory QA/QC results is presented in Appendix D.

3.4 VOC Mass Removal

The VOC concentrations detected in vapor samples collected from the SVE wells and the air flow rates (in scfm) are used to estimate VOC mass removal rates for each day the SVE system was monitored. These calculations were performed for each individual SVE well and for the combined flow from both SVE wells (Tables 5, 6, and 7).

Following the first sampling of the SVE system on 15 August 2006, a total VOC removal rate of approximately 12.5 pounds per day was calculated for the system. VOC mass removal rates in both SVE wells have since declined as VOC concentrations in soil vapor have decreased with ongoing SVE system operation. Accordingly, the total VOC removal rate on 27 December 2006 was estimated at approximately 0.1 pounds per day for the SVE system (Table 5).

As of 27 December 2006, approximately 37 pounds of VOCs had been extracted from the SVE system since startup based on the data from the combined inflow to the SVE system (see Table 5). As shown on Tables 5, 6 and 7, the majority of VOC mass removed from the system consists of PCE. The calculated mass removed using the data from each SVE well is approximately 27 pounds of VOCs (see Tables 6 and 7). Most of this difference appears to be due to the variability of VOC concentrations in the vapor stream from sampling conducted during the first week of SVE operations. The flow rates from the combined influent are more consistent than the flow rates from the SVE wells; therefore, the combined influent mass removal calculation is likely more reflective of system performance. As shown on Tables 5, 6 and 7, the majority of VOC mass removed from the system consists of PCE.

3.5 Changes in VOC Concentrations in Soil Vapor

To track the progress of SVE system operations, samples were collected from nine soil vapor monitoring wells at the Site (PMW-9, PMW-10, PMW-11, PMW-12, PMW-13, PMW-14, PMW-15, PMW-17, and SVMW-202) on 28 and 29 November 2006 and at well PMW-11 on 6 October 2006. Vapor samples were analyzed by Centrum Analytical Laboratories, Inc. for VOCs by GC/MS. Samples collected were analyzed in an on-Site mobile laboratory. Table 8 summarizes analytical data for soil vapor samples collected from soil vapor monitoring wells at the Site since July 2006. PCE concentrations in soil vapor monitoring probes for November 2006 are presented on Figure 7.

PCE concentrations are generally highest in samples taken from deeper monitoring probes. Since SVE system startup on 15 August 2006, PCE concentrations have decreased in all wells within the radius of influence of the SVE system. PCE concentrations in wells outside the SVE system radius of influence are relatively stable.

3.6 SVE Vacuum Radius of Influence

On 4 December 2006, a radius of influence test was performed by measuring the vacuums at the two SVE wells and at 9 of the Site soil vapor monitoring wells. Table 9 summarizes results of the vacuum profile testing. Figure 8 shows approximate radius of influence contours for the mid and deep vapor probes.

The total combined flow rates measured at wells PSVE-8 and PSVE-9 at the time of the vacuum test was approximately 250 actual cubic feet per minute ("acfm"). The vacuums at PSVE-8 and PSVE-9 during the vacuum testing were 18.5 and 18.8 inches of water column

(in-wc), respectively. Vacuums greater than 0.01 in-wc were observed in wells PMW-10, 11, 12, 15, and 17. In general, the shallow vapor probes had low vacuums relative to the vacuums observed at the mid and deep vapor probes at the respective locations. This is likely due to the Site surface being mostly unpaved and the existence of excavation pits in the area. The maximum observed vacuums were in the mid and deep vapor probes at PMW-11 which had observed vacuums of 2.2, and 3.0 in-wc, respectively. Overall, a noticeable vacuum was observed as far away as PMW-17 and SVMW-202. The lack of measurement locations makes the radius of influence contours highly approximate.

3.7 SVE Adjustments Based on VOC Data

No adjustments to SVE system flow rates were made during the fourth quarter of 2006.

3.8 Permit Compliance

The SVE system is monitored weekly by Drewelow Remediation Equipment, Inc. in accordance with SCAQMD permit requirements. The SVE system has consistently complied with the limitations of the SCAQMD permit. The permit requires that:

- VOC concentrations at the inlet of the primary contact, denoted as *Average Influent C1* in Table 10, remain below 5,000 parts per million by volume ("ppmv") using a PID calibrated with hexane;
- VOC concentrations at the effluent of the secondary carbon contact, denoted as *Average Effluent C2* in Table 10, cannot exceed 5 ppmv; and
- PCE and TCE concentrations at the effluent of the secondary carbon contact must remain below 0.5 ppmv.

The permit further requires that the primary carbon contactor be changed when the total VOC at the outlet of the primary carbon contact, denoted as *Average Effluent C1* in Table 10, reaches 50 ppmv.

Data presented in Tables 4 and 10 show that the system has consistently complied with the SCAQMD permit.

3.9 Plans for Continued SVE System Operation

The SVE system continues to operate and will be re-evaluated at approximately quarterly intervals. SVE system monitoring and operation will continue as described in the SVE Work Plan until termination of SVE occurs. SVE operation will terminate when either (a) Site grading for planned development requires removal of the SVE system, or (b) data indicate VOC mass removal rates or soil vapor VOC concentrations do not warrant continued operation, whichever comes first.

4 FIRST QUARTER 2007 ACTIVITIES

First quarter 2007 groundwater monitoring is scheduled to be performed in late January 2007. EKI will coordinate with Arcadis to perform groundwater monitoring activities concurrently.

The SVE system is planned for continued operation through the first quarter 2007. Monitoring of select soil vapor monitoring wells is scheduled to be performed in early February 2006. In addition, Price Pfister plans to expand the SVE system to include a new well in the southwest corner of the site. A separate document will be submitted describing the planned expansion of the SVE system.

Remedial soil excavation in Area 6 (former Buildings B, D, and J) of the Site is expected to be completed during the first quarter of 2007 and will be reported to the RWQCB when done. Investigations conducted in the former Building A area in late-2006 are being evaluated and additional evaluation will be conducted in early 2007.

5 REFERENCES

EKI, 3 October 2005. *Soil Vapor Sampling Results and Workplan for Soil Vapor Extraction at the Former Oil Staging Area.*

EKI, 13 January 2006a. *Quarterly Monitoring Report, Fourth Quarter 2005, and Request for Modification to the Groundwater Sampling Program, 13500 Paxton Street, Pacoima, California.*

EKI, 28 February 2006b. *Response to RWQCB Comments Regarding the Recent Soil Vapor Sampling Results and Work Plan for Soil Vapor Extraction at the Former Oil Staging Area*

EKI, 7 September 2006c. *Soil Vapor Sampling Results.*

EKI, 28 September 2006d. *Information Requested by the Water Board Related to Remediation Activities Regarding the Property at 13500 Paxton Street, Pacoima, California.*

RWQCB, 24 January 2006a. *Comments on Recent Soil Vapor Sampling Results and Work Plan for Soil Vapor Extraction at the Former Oil Staging Area.*

RWQCB, 12 June 2006b. *Comments on Proposed Modifications to the Groundwater Monitoring Program, Former Price Pfister Site, 13500 Paxton Street, Pacoima, California (File No. 111.2696).*

Table 1
Summary of Well Construction Details
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date Installed	Total Depth of Boring (ft bgs)	Borehole Diameter (inches)	Elevation of Ground Surface (ft msl) (1)	Elevation of Top of Casing (ft msl) (1)	Well Casing and Intake Screen Details				Soil Vapor Monitoring Well Construction Details	
						Well Casing Diameter (inches)	Length of Screen (ft)	Screen Interval (ft bgs)	Screen Slot Size (inches)	Number of Vapor Screen Intervals (2)	Depth to Vapor Screens (ft bgs)
Groundwater Monitoring Wells											
MW-4	12/29/98	71.5	11	1040.17	1039.49	4	30	37.5 - 67.5	0.03	--	--
MW-5	12/23/98	71.5	11	1038.67	1038.20	4	30	37 - 67	0.03	--	--
MW-6	12/22/98	73	11	1036.96	1036.55	4	30	37.7 - 67.7	0.03	--	--
MW-7	12/22/98	75	11	1038.38	1036.78	4	30	39.1 - 69.1	0.03	--	--
MW-8	05/23/00	90	11	1035.88	1035.55	4	40	49.5 - 89.5	0.03	--	--
Well-A1 (3)	06/03/97	80	8	1054.58	1053.97	2	20	60 - 80	0.02	--	--
Well-A2 (3)	06/04/97	70	8	1045.26	1044.84	2	20	50 - 70	0.02	--	--
PIAS-10	04/16/03	89.5	8	1041.84	1041.08	2	5	83 - 88	0.04	--	--
PMW-19	11/19/02	85	11	1029.86	1029.46	4	30	55 - 85	0.03	--	--
PMW-20	11/18/02	90	11	1035.30	1034.61	4	30	55 - 85	0.03	--	--
PMW-21B	11/15/02	110.5	11	1038.73	1038.19	4	10	98.5 - 108.5	0.03	--	--
PMW-27	10/23/03	86.5	7.75	1050.23	1049.50	2	30	56 - 86	0.02	--	--
PMW-37	06/16/06	71	8	1044.32	1043.93	2	25	45-70	0.02	--	--
PMW-38	06/15/06	71	8	1042.98	1042.48	2	25	45-70	0.02	--	--
Soil Vapor/Groundwater Monitoring Wells											
PMW-9	07/10/02	71.5	9	1036.68	1035.91	2	20	50 - 70	0.03	3	15, 30, 45
PMW-10	07/15/02	73	9	1042.06	1041.67	2	20	53 - 73	0.03	3	18, 33, 48
PMW-11	07/10/02	71.5	9	1041.90	1040.87	2	20	50 - 70	0.03	3	15, 30, 45
PMW-12	06/24/02	76	9	1046.37	1045.81	2	20	55 - 75	0.03	3	20, 35, 50
PMW-13	07/11/02	86.5	9	1034.16	1033.29	2	20	65 - 85	0.03	4	15, 30, 45, 60
PMW-14	09/26/02	98	12	1038.83	1038.20	4	30	65 - 95	0.03	4	15, 30, 45, 60
PMW-15	07/15/02	91.5	9	1041.33	1040.23	2	20	70 - 90	0.03	4	20, 35, 50, 65
Vapor Monitoring Wells											
SVMW-202	03/20/02	46.5	8	1044.71	--	--	--	--	--	3	15, 30, 45
SVMW-203	07/16/02	49	9	1045.04	--	--	--	--	--	3	18, 33, 48
SVMW-204	07/17/02	55	9	1050.73	--	--	--	--	--	3	24, 39, 54

Table 1
Summary of Well Construction Details
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date Installed	Total Depth of Boring (ft bgs)	Borehole Diameter (inches)	Elevation of Ground Surface (ft msl) (1)	Elevation of Top of Casing (ft msl) (1)	Well Casing and Intake Screen Details				Soil Vapor Monitoring Well Construction Details	
						Well Casing Diameter (inches)	Length of Screen (ft)	Screen Interval (ft bgs)	Screen Slot Size (inches)	Number of Vapor Screen Intervals (2)	Depth to Vapor Screens (ft bgs)
Vapor Extraction Wells											
PSVE-8	05/18/06	45	10.25	1038.82	--	4	20	25-45	0.04	--	--
PSVE-9	05/18/06	50	10.25	1042.69	--	4	20	30-50	0.04	--	--
Free Hydrocarbon Product Collection Wells											
MW-2	06/30/98	72	12	1038.50	1037.73	6	30	39 - 69	0.03	--	--
MW-3	06/30/98	70	12	1038.52	1037.81	6	30	37 - 67	0.03	--	--
PMW-16	09/25/02	76	12	1038.40	1038.09	6	30	44.5 - 74.5	0.03	--	--
PMW-18	09/24/02	70.5	12	1037.82	1038.65	6	30	40 - 70	0.03	--	--
Soil Vapor Monitoring/Free Hydrocarbon Product Collection Wells											
PMW-17	09/30/02	78.5	15	1038.42	1038.01	6	30	45 - 75	0.03	3	10, 25, 40

Abbreviations

ft feet
ft bgs feet below ground or floor surface
ft msl feet relative to mean sea level
-- not applicable

Notes

- (1) Groundwater monitoring well locations were surveyed by Bill Carr Survey's, Inc., of Huntington Beach, California, a licensed Land Surveyor. Vertical coordinates were based on the North American Vertical Datum 1988, City of Los Angeles Benchmark 03-02101, elevation 1037.584 feet.
- (2) Six-inch long stainless steel soil vapor intake screens were attached to the outer casing of the groundwater well or to a small diameter PVC support rod at the depths listed above. Dedicated Teflon-lined or Teflon tubing was connected to the probes and extends to ground surface for sampling. Vacuum rated fittings were used to cap the ends of the tubing.
- (3) Groundwater monitoring wells Well-A1 and Well-A2 were installed on-Site by the California Department of Toxic Substances Control ("DTSC"). These wells are monitored by Arcadis, which refers to them as PF-1A and PF-2A, respectively, for the Soco West, Inc. property located at 13456 Desmond Street, Pacoima, California.

Table 2
Water Level Measurements for Fourth Quarter 2006 (1)(2)(3)
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date	TOC (ft msl)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft msl)
MW-4	11/29/2006	1039.49	50.28	989.21
MW-5	11/29/2006	1038.20	48.95	989.25
MW-6	11/29/2006	1036.55	47.59	988.96
MW-7	11/29/2006	1036.78	48.50	988.28
MW-8	11/29/2006	1035.55	65.47	970.08
PIAS-10	11/29/2006	1041.08	51.52	989.56
PMW-9	11/29/2006	1035.91	47.27	988.64
PMW-10	11/29/2006	1041.67	51.91	989.76
PMW-11	11/29/2006	1040.87	51.21	989.66
PMW-12	11/29/2006	1045.81	56.04	989.77
PMW-13	11/29/2006	1033.29	65.43	967.86
PMW-14	11/29/2006	1038.20	67.88	970.32
PMW-15	11/29/2006	1040.23	68.34	971.89
PMW-19	11/29/2006	1029.46	60.71	968.75
PMW-20	11/29/2006	1034.61	63.74	970.87
PMW-21B	11/29/2006	1038.19	48.88	989.31
PMW-27	11/29/2006	1049.50	59.30	990.20
PMW-37	11/29/2006	1043.93	53.94	989.99
PMW-38	11/29/2006	1042.48	52.84	989.64
Well-A1	11/29/2006	1053.97	63.37	990.60
Well-A2	11/29/2006	1044.84	54.62	990.22

Abbreviations:

TOC - top of casing

ft msl - feet above mean sea level

Notes:

(1) This table presents water level data for the most recent quarter only. Water level data is not presented for free hydrocarbon product wells MW-2, MW-3, and PMW-16 through PMW-18.

(2) Groundwater monitoring well locations and elevations were surveyed by Bill Carr Survey's, Inc., of Huntington Beach, California, a licensed Land Surveyor on 6 September 2006. Elevations shown are based on the North American Vertical Datum 1988, City of Los Angeles benchmark 03-02101, elevation 1037.584 feet.

(3) Water level measurements and TOC shown for Well-A1 and Well-A2 were provided by ARCADIS. ARCADIS refers to these wells as PF-1A and PF-2A respectively. Concurrent depth measurements collected by Blaine Tech Services for Well-A1 and Well-A2 were 63.41 ft below TOC and 54.63 ft below TOC, respectively.

Table 3 **Summary of Inorganic Analytical Results for Groundwater for** **Fourth Quarter 2006**

Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date	Note	Inorganic Compounds (µg/L) (1)(2)		
			Chromium	Hexavalent Chromium	Lead
MW-4	11/29/2006		<1	1.7	<1
MW-5	11/30/2006		<1	<0.2	<1
MW-6	11/29/2006	(3)	36	34	<1
MW-6	11/30/2006		37.4	33	<1
MW-7	11/30/2006		1.62	3.0	<1
MW-8	11/30/2006		<1	0.21	<1
PMW-9	11/30/2006		<1	1.9	<1
PMW-9	11/30/2006	DUP-2	<1	2.0	<1
PMW-13	11/29/2006		168	180	<1
PMW-14	11/30/2006		<1	1.1	<1
PMW-19	11/29/2006		<1	1.6	<1
PMW-20	11/29/2006		1.93	0.74	<1
PMW-20	11/29/2006	DUP	<1	0.49	<1
PMW-38	11/29/2006	(3)	2,120	1,800	<1
PMW-38	11/30/2006		1,780	1,400	<1
Blanks					
QCEB Filter-1	11/29/2006		<1	NA	<1
QCEB Filter-2	11/30/2006		<1	NA	<1

Abbreviations:

< - Compound not detected at or above indicated laboratory detection limit

"DUP" - duplicate sample

EB - Equipment Blanks

ICP/MS - Inductively coupled plasma/mass spectroscopy

NA - Not analyzed

µg/L - Micrograms per liter

Notes:

(1) Dedicated bladder pumps and tubing installed in Site wells were used to collect samples in accordance with low flow purging and sampling procedures described in U.S. EPA Ground Water Issue: Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures, dated December 1995, and U.S. EPA Region 9 Quick Reference Advisory - Use of Low-Flow Methods for Groundwater Purging and Sampling: An Overview, dated December 1995.

(2) These samples were analyzed for chromium and lead by ICP/MS using EPA Method 200.8, and for hexavalent chromium using EPA Method 218.6.

(3) An additional sample was collected from the top of the water column using a bailer instead of the dedicated pump.

Table 4
Summary of VOC Analytical Results for Soil Vapor Samples Collected from Vapor Extraction Wells - August through December 2006
Former Price Pfister, Inc. Site, 13500 Paxton Street, Pacoima, California

Location	Date	Sample Time	Note	VOCs (µg/L) (1)												
				PCE	1,1,1-TCA	TCE	cis-1,2-DCE	1,1-DCE	Bromomethane	Chloroform	TCFM	Benzene	Toluene	Ethylbenzene	Total Xylenes	Other VOCs
BLOWER IN	8/15/2006	13:50		190	<0.16	1.7	0.35	<0.12	<0.11	<0.14	<0.33	<0.094	0.24	<0.13	<0.39	Acetone = 2.5 Carbon Disulfide = 1.4 Methylene Chloride = 50
BLOWER IN	8/15/2006	14:00	DUP	610	<0.21	4.4	1.2	<0.15	<0.15	<0.19	<0.43	<0.12	0.18	<0.17	<0.5	Acetone = 1.8 Carbon Disulfide = 1.2 Methylene Chloride = 10
BLOWER IN	8/23/2006	09:35		15	0.046	0.23	0.053	0.059	<0.003	0.015	0.042	<0.0025	<0.0029	<0.0033	<0.01	Acetone = 0.013
BLOWER IN	9/25/2006	08:15		21	0.061	0.051	<0.012	0.044	<0.012	0.023	<0.035	<0.0098	<0.012	<0.013	<0.04	ND
BLOWER IN	11/1/2006	08:30		2.5	0.012	0.01	<0.0029	0.0046	<0.0028	0.0083	<0.0082	<0.0023	0.0053	<0.0032	<0.0095	Acetone = 0.014 Methylene Chloride = 0.071
BLOWER IN	11/1/2006	08:35	DUP	0.14	<0.004	<0.0039	<0.0029	<0.0029	<0.0029	<0.0036	<0.0083	<0.0023	0.0067	<0.0032	<0.0096	Acetone = 0.02 Methylene Chloride = 0.068
BLOWER IN	11/28/2006	11:15		4.1	<0.041	<0.04	<0.03	<0.03	<0.029	<0.037	<0.084	<0.024	<0.028	<0.033	<0.098	ND
BLOWER IN	11/28/2006	11:23	DUP	2.6	0.022	0.02	<0.015	<0.015	<0.014	<0.018	<0.042	<0.012	<0.014	<0.016	<0.048	ND
PSVE-8	8/15/2006	09:50		600	<0.4	3.7	0.41	<0.29	<0.28	<0.36	<0.82	<0.23	0.56	<0.32	1.83	Acetone = 2.2 Carbon Disulfide = 1.2 Methylene Chloride = 20
PSVE-8	8/15/2006	13:30		200	<0.11	3.9	1.8	<0.081	<0.079	<0.1	<0.23	<0.065	0.11	<0.089	<0.269	Acetone = 0.89 Carbon Disulfide = 0.58 Methylene Chloride = 4.3
PSVE-8	8/23/2006	09:25		8.7	0.076	0.17	0.05	0.081	<0.03	<0.037	<0.085	<0.024	<0.029	<0.033	<0.099	ND
PSVE-8	9/25/2006	08:05		10	0.082	0.041	<0.012	0.038	<0.011	<0.014	<0.033	<0.0094	<0.011	<0.013	<0.039	ND
PSVE-8	11/28/2006	10:58		2.7	0.044	<0.04	<0.029	<0.029	<0.029	<0.036	<0.083	<0.024	<0.028	<0.032	<0.096	ND
PSVE-9	8/15/2006	09:55		200	<0.14	2.5	0.68	<0.099	<0.097	<0.12	<0.28	<0.08	0.11	<0.11	<0.33	Acetone = 0.81 Carbon Disulfide = 0.45 Methylene Chloride = 6.1
PSVE-9	8/15/2006	13:40		130	<0.084	1.2	0.2	<0.061	<0.06	<0.075	<0.17	<0.049	0.073	<0.067	<0.197	Acetone = 0.43 Carbon Disulfide = 0.28 Methylene Chloride = 3.3
PSVE-9	8/23/2006	09:30		11	0.0059	0.14	0.023	0.019	<0.0029	0.0099	0.012	0.0057	0.0062	<0.0033	<0.0098	Acetone = 0.043 Chloromethane = 0.0043 Methylene Chloride = 0.015
PSVE-9	9/25/2006	08:10		14	<0.016	0.061	<0.012	0.028	<0.011	0.027	<0.033	<0.0094	<0.011	<0.013	<0.039	Acetone = 0.043
PSVE-9	9/25/2006	08:20	DUP	11	0.017	0.065	<0.012	0.041	<0.012	0.038	<0.033	<0.0095	<0.011	<0.013	<0.039	ND
PSVE-9	11/28/2006	10:45		6.1	<0.064	<0.063	<0.047	<0.047	<0.046	<0.057	<0.13	<0.038	<0.044	<0.051	<0.151	ND

Table 4
Summary of VOC Analytical Results for Soil Vapor Samples Collected from Vapor Extraction Wells - August through December 2006
Former Price Pfister, Inc. Site, 13500 Paxton Street, Pacoima, California

Abbreviations:

< - Compound not detected at or above indicated laboratory detection limit
1,1-DCE - 1,1-dichloroethene
1,1,1-TCA - 1,1,1-trichloroethane
ND - Analyte not detected above its laboratory reporting limit
PCE - Tetrachloroethene
TCE - Trichloroethene
TCFM - Trichlorofluoromethane
µg/L - micrograms per liter
VOCs - Volatile Organic Compounds

Notes:

(1) Samples were collected in Summa canisters and analyzed for VOC's using EPA Method TO-15. Analytes not shown were not detected above the laboratory reporting limit.

Table 5
Soil Vapor Extraction Data for SVE System at Former Oil Staging Area
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Date	Time	Calculated Time Interval (hours)	Reading on Meter (hours)	Elapsed Time on Hour Meter (hours)	SVE Wells On-line		Combined Flow From SVE Wells						Notes	Laboratory Analytical Data (3)												Estimated VOC Removal Rates (4)								Cumulative Mass Removal (5)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
							Total VOCs		Vacuum at Manifold (in-wc)	Temp. at Manifold (oF)	Flow Rate																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					PSVE #	PSVE #	by PID (1) (hexane) (ppmv)	by PID (2) (isobut.) (ppmv)						PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	c-1,2-DCE (ug/L)	Methylene Chloride (ug/L)	Total VOCs (ug/L) (9)	PCE (ppmv)	TCE (ppmv)	1,1-DCE (ppmv)	1,1,1-TCA (ppmv)	c-1,2-DCE (ppmv)	Methylene Chloride (ppmv)	Total VOCs (ppmv) (9)	PCE (lb/day)	TCE (lb/day)	1,1-DCE (lb/day)	1,1,1-TCA (lb/day)	c-1,2-DCE (lb/day)	Methylene Chloride (lb/day)	Total VOCs (lb/day) (9)	Calc. Notes	PCE (lbs)	TCE (lbs)	1,1-DCE (lbs)	1,1,1-TCA (lbs)	c-1,2-DCE (lbs)	Methylene Chloride (lbs)	Total VOCs (lbs) (9)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
System startup on 8/15/06 at 0940.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

Table 5
Soil Vapor Extraction Data for SVE System at Former Oil Staging Area
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Date	Time	Calculated Time Interval (hours)	Reading on Meter (hours)	Elapsed Time on Hour Meter (hours)	SVE Wells On-line		Combined Flow From SVE Wells						Notes	Laboratory Analytical Data (3)												Estimated VOC Removal Rates (4)								Cumulative Mass Removal (5)							
							Total VOCs		Vacuum at Manifold (in-wc)	Temp. at Manifold (oF)	Flow Rate																														
							by PID (1) (hexane) (ppmv)	by PID (2) (isobut.) (ppmv)			(acfm)	(scfm)																													
					P-SVE-8	P-SVE-9												PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	c-1,2-DCE (ug/L)	Methylene Chloride (ug/L)	Total VOCs (ug/L) (9)	PCE (ppmv)	TCE (ppmv)	1,1-DCE (ppmv)	1,1,1-TCA (ppmv)	c-1,2-DCE (ppmv)	Methylene Chloride (ppmv)	Total VOCs (ppmv) (9)	PCE (lb/day)	TCE (lb/day)	1,1-DCE (lb/day)	1,1,1-TCA (lb/day)	c-1,2-DCE (lb/day)	Methylene Chloride (lb/day)	Total VOCs (lb/day) (9)	Calc. Notes	PCE (lbs)	TCE (lbs)
12/5/2006	14:00	172.0	18,547	121.0	X	X	0.0	1.3	22.9	72	250.0	238.2	PID was calibrated before readings and bump checked after all readings. Readings were checked 6 times.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0004	0.0	0.0005	0.0	0.0	0.1	C	33.1	0.2	0.0	0.1	0.0	1.3	35.0
12/5/2006	16:00	2.0	18,549	2.0	X	X	0.0	1.3	22.9	72	250.0	238.2	No changes upon departure.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0004	0.0	0.0005	0.0	0.0	0.1	C	33.1	0.2	0.0	0.1	0.0	1.3	35.0
12/11/2006	11:00	139.0	18,687	138.0	X	X	7.1	0.0	26.1	69	250.0	237.5	The water drum was half full.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0004	0.0	0.0005	0.0	0.0	0.1	C	33.1	0.2	0.0	0.1	0.0	1.3	35.0
12/11/2006	12:00	1.0	18,688	1.0	X	X	7.1	0.0	26.1	69	250.0	237.5	No changes upon departure.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0004	0.0	0.0005	0.0	0.0	0.1	C	33.5	0.2	0.0	0.1	0.0	1.3	35.4
12/19/2006	11:30	191.5	18,852	164.0	X	X	0.0	0.0	26.8	63	250.0	239.8	No changes upon departure.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0004	0.0	0.0005	0.0	0.0	0.1	C	33.5	0.2	0.0	0.1	0.0	1.3	35.4
12/19/2006					X	X	0.0	0.0	26.8	63	250.0	239.8	System was down upon arrival due to high water in the drum. The hose was switched to a new drum, excess water was pumped out, and the system was restarted. (7)	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.1	C	33.5	0.2	0.0	0.1	0.0	1.3	35.4	
12/27/2006					X	X	0.0	0.0	26.8	63	250.0	239.8	System was down upon arrival due to high water in the drum. The hose was switched to a new drum, excess water was pumped out, and the system was restarted. (7)	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.1	C	33.5	0.2	0.0	0.1	0.0	1.3	35.4	
12/27/2006					X	X	0.0	0.0	26.8	63	250.0	239.8	System was down upon arrival due to high water in the drum. The hose was switched to a new drum, excess water was pumped out, and the system was restarted. (7)	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.1	C	33.5	0.2	0.0	0.1	0.0	1.3	35.4	
12/27/2006	11:00	191.5	19,043	191.0	X	X	0.0	0.0	20.6	65	250.0	242.8	The water drum was filled and hose was moved to an empty drum.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.1	C	34.0	0.2	0.0	0.1	0.0	1.3	35.9
12/27/2006	12:00	1.0	19,044	1.0	X	X	0.0	0.0	20.6	65	250.0	242.8	The water drum was filled and hose was moved to an empty drum.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.1	C	34.0	0.2	0.0	0.1	0.0	1.3	35.9
12/27/2006					X	X	0.0	0.0	20.6	65	250.0	242.8	No changes upon departure.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.1	C	34.0	0.2	0.0	0.1	0.0	1.3	35.9
12/27/2006					X	X	0.0	0.0	20.6	65	250.0	242.8	No changes upon departure.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.1	C	34.0	0.2	0.0	0.1	0.0	1.3	35.9
1/3/2007	12:30	168.5	19,203	159.0	X	X	0.0	0.0	23.2	73	250.0	237.5	System was down upon arrival due to high water in the drum. The hose was switched to a new drum, excess water was pumped out, and the system was restarted. (7)	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.1	C	34.6	0.2	0.0	0.1	0.0	1.3	36.5	
1/3/2007					X	X	0.0	0.0	23.2	73	250.0	237.5	System was down upon arrival due to high water in the drum. The hose was switched to a new drum, excess water was pumped out, and the system was restarted. (7)	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.1	C	34.6	0.2	0.0	0.1	0.0	1.3	36.5	
1/3/2007					X	X	0.0	0.0	23.2	73	250.0	237.5	System was down upon arrival due to high water in the drum. The hose was switched to a new drum, excess water was pumped out, and the system was restarted. (7)	--	--	--	--	--	--	--	--	--	--	--	--	0.1	0.0	0.0	0.0	0.0	0.0	0.1	C	35.1	0.2	0.0	0.1	0.0	1.3	37.0	
Total Run Time :		2,706.0																																							

Total Cumulative Mass Removal for Current SVE Operations in the Former Oil Staging Area: 37.0

Abbreviations

---	no measurement	PID	Photoionization detector
<	not detected at indicated method detection limit	ppmv	parts per million by volume
acfm	actual cubic feet per minute	PCE	Tetrachloroethene
1,1-DCE	1,1-dichloroethene	scfm	standard cubic feet per minute
cis-1,2-DCE	cis-1,2-dichloroethene	SVE	soil vapor extraction
°F	degrees Fahrenheit	1,1,1-TCA	1,1,1-trichloroethane
in-wc	inches of water column	TCE	Trichloroethene
lb/day	pounds per day	VOC	Volatile organic compound
lbs	pounds	X	SVE well was online

Notes

- (1) PID is calibrated with 50 ppmv of hexane, per South Coast Air Quality Management District ("SCAQMD") permit condition 9.
- (2) PID measurements were also made using a PID instrument calibrated with 100 ppmv isobutylene for comparison.
- (3) Samples of combined inflow to SVE system were analyzed by Calscience, using EPA Method TO-15.
- (4) Removal rates are calculated using the measured temperature and measured flow rate (converted from acfm to scfm using the measured vacuum and temperature) and analyte concentrations from laboratory analyses (see Calc. Notes column in table):
A: Mass removal calculated using current laboratory analytical data. The detection limit divided by two was substituted for data that were reported at the analytical detection limit.
B: Mass removal calculated using an average of the previous and current laboratory analytical data. The detection limit divided by two was substituted for data that were reported at the analytical detection limit.
C: Mass removal calculated using the previous laboratory analytical data. The detection limit divided by two was substituted for data that were reported at the analytical detection limit.
- (5) Cumulative mass removal amounts are calculated using the product of estimated VOC removal rates for each day and time and the calculated system run time between measurements.
- (6) No flow measurements were recorded on this date. Estimated VOC removal rates were estimated using the flow rate in scfm calculated for the date on which the previous measured value was recorded.
- (7) System was down upon arrival. Day and time of system shut down were estimated from hour meter.
- (8) The presence of water vapor prevented an accurate measurement of flow rate. The flow rate in scfm is substituted data from the previous monitoring event.
- (9) Several analytes have been detected at low concentrations. These analytes are not shown but the detected concentrations are used to calculate total VOC concentrations and removal rates. Table 4 contains a summary of all detections.
- (10) No flow measurements were recorded on this date. Estimated VOC removal rates were estimated using the flow rate in scfm calculated for the date on which the next measured value was recorded.

Table 6
Soil Vapor Extraction Data for PSVE-8 at Former Oil Staging Area
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Date	Time	Calculated Time Interval (hours)	Elapsed Time on Hour Meter (hours)	SVE Wells On-line		Flow From PSVE-8					Notes	Laboratory Analytical Data (3)												Estimated VOC Removal Rates (4)									Cumulative Mass Removal (5)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				PSVE-8	PSVE-9	Total VOCs		Vacuum at Well (in-wc)	Temp. at Manifold (oF)	Flow Rate		PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	c-1,2-DCE (ug/L)	Methylene Chloride (ug/L)	Total VOCs (ug/L) (9)	PCE (ppmv)	TCE (ppmv)	1,1-DCE (ppmv)	1,1,1-TCA (ppmv)	c-1,2-DCE (ppmv)	Methylene Chloride (ppmv)	Total VOCs (ppmv) (9)	PCE (lb/day)	TCE (lb/day)	1,1-DCE (lb/day)	1,1,1-TCA (lb/day)	c-1,2-DCE (lb/day)	Methylene Chloride (lb/day)	Total VOCs (lb/day) (9)	Calc. Notes	PCE (lbs)	TCE (lbs)	1,1-DCE (lbs)	1,1,1-TCA (lbs)	c-1,2-DCE (lbs)	Methylene Chloride (lbs)	Total VOCs (lbs) (9)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
						by PID (1) (hexane) (ppmv)	by PID (2) (isobut.) (ppmv)			(acfm)																															(scfm)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Table 6
Soil Vapor Extraction Data for PSVE-8 at Former Oil Staging Area
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Date	Time	Calculated Time Interval (hours)	Elapsed Time on Hour Meter (hours)	SVE Wells On-line		Flow From PSVE-8					Notes	Laboratory Analytical Data (3)												Estimated VOC Removal Rates (4)								Cumulative Mass Removal (5)								
				PSVE-8	PSVE-9	Total VOCs		Vacuum at Well (in-wc)	Temp. at Manifold (oF)	Flow Rate																														
						by PID (1) (hexane) (ppmv)	by PID (2) (isobut.) (ppmv)			(acfm)		(scfm)																												
													PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	c-1,2-DCE (ug/L)	Methylene Chloride (ug/L)	Total VOCs (ug/L) (9)	PCE (ppmv)	TCE (ppmv)	1,1-DCE (ppmv)	1,1,1-TCA (ppmv)	c-1,2-DCE (ppmv)	Methylene Chloride (ppmv)	Total VOCs (ppmv) (9)	PCE (lb/day)	TCE (lb/day)	1,1-DCE (lb/day)	1,1,1-TCA (lb/day)	c-1,2-DCE (lb/day)	Methylene Chloride (lb/day)	Total VOCs (lb/day) (9)	Calc. Notes	PCE (lbs)	TCE (lbs)	1,1-DCE (lbs)	1,1,1-TCA (lbs)	c-1,2-DCE (lbs)	Methylene Chloride (lbs)
12/5/2006	14:00	172.0	121.0	X	X	8.3	1.3	18.5	72.0	190	183.1	PID was calibrated before readings and bump checked after all readings. Readings were checked 6 times.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.044	0.0	0.0	0.001	0.0	0.0	0.05	C	11.1	0.1	0.0	0.1	0.0	0.1	11.4
12/5/2006	16:00	2.0	2.0	X	X	8.3	1.3	18.5	72.0	190	183.1	No changes upon departure.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.044	0.0	0.0	0.001	0.0	0.0	0.05	C	11.1	0.1	0.0	0.1	0.0	0.1	11.4
12/11/2006	11:00	139.0	138.0	X	X	7.1	0.0	21.3	69.0	189	181.8	The water drum was half full.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.044	0.0	0.0	0.001	0.0	0.0	0.04	C	11.3	0.1	0.0	0.1	0.0	0.1	11.7
12/11/2006	12:00	1.0	1.0	X	X	7.1	0.0	21.3	69.0	189	181.8	No changes upon departure.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.044	0.0	0.0	0.001	0.0	0.0	0.04	C	11.3	0.1	0.0	0.1	0.0	0.1	11.7
12/19/2006	11:30	191.5	164.0	X	X	0.0	0.0	21.9	63.0	181	175.9	System was down upon arrival due to high water in the drum. The hose was switched to a new drum, excess water was pumped out, and the system was restarted. (7)	--	--	--	--	--	--	--	--	--	--	--	--	0.04262	0	0	0.0007	0.0	0.0	0.0	C	11.6	0.1	0.0	0.1	0.0	0.1	12.0	
12/27/2006	11:00	191.5	191.0	X	X	0.0	0.0	19.2	65.0	191	186.2	The water drum was filled and hose was moved to an empty drum.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.04511	0	0	0.0007	0.0	0.0	0.0	C	12.0	0.1	0.0	0.1	0.0	0.1	12.4
12/27/2006	12:00	1.0	1.0	X	X	0.0	0.0	19.2	65.0	191	186.2	No changes upon departure.	--	--	--	--	--	--	--	--	--	--	--	--	--	0.04511	0	0	0.0007	0.0	0.0	0.0	C	12.0	0.1	0.0	0.1	0.0	0.1	12.4
1/3/2007	12:30	168.5	159.0	X	X	0.0	0.0	18.9	73.0	199	191.2	System was down upon arrival due to high water in the drum. The hose was switched to a new drum, excess water was pumped out, and the system was restarted. (7)	--	--	--	--	--	--	--	--	--	--	--	--	0.04633	0	0	0.0008	0.0	0.0	0.0	C	12.3	0.1	0.0	0.1	0.0	0.1	12.7	
Total Run Time :		2,706.0																																						

Abbreviations

--	no measurement	NA	not applicable
<	not detected at indicated method detection limit	PID	Photoionization detector
acfm	actual cubic feet per minute	ppmv	parts per million by volume
1,1-DCE	1,1-dichloroethene	PCE	Tetrachloroethene
cis-1,2-DCE	cis-1,2-dichloroethene	scfm	standard cubic feet per minute
°F	degrees Fahrenheit	SVE	soil vapor extraction
FID	Flame ionization detector	1,1,1-TCA	1,1,1-trichloroethane
in-wc	inches of water column	TCE	Trichloroethene
lb/day	pounds per day	VOC	Volatile organic compound
lbs	pounds	X	SVE well was online

Notes

- (1) PID is calibrated with 50 ppmv of hexane, per South Coast Air Quality Management District ("SCAQMD") permit condition 9.
- (2) PID measurements were also made using a PID instrument calibrated with 100 ppmv isobutylene for comparison.
- (3) Samples of combined inflow to SVE system were analyzed by Calscience, using EPA Method TO-15.
- (4) Removal rates are calculated using the measured temperature and measured flow rate (converted from acfm to scfm using the measured vacuum and temperature) and analyte concentrations from laboratory analyses (see Calc. Notes column in table):
A: Mass removal calculated using current laboratory analytical data. The detection limit divided by two was substituted for data that were reported at the analytical detection limit.
B: Mass removal calculated using an average of the previous and current laboratory analytical data. The detection limit divided by two was substituted for data that were reported at the analytical detection limit.
C: Mass removal calculated using the previous laboratory analytical data. The detection limit divided by two was substituted for data that were reported at the analytical detection limit.
- (5) Cumulative mass removal amounts are calculated using the product of estimated VOC removal rates for each day and time and the calculated system run time between measurements.
- (6) No flow measurements were recorded on this date. Estimated VOC removal rates were estimated using the flow rate in scfm calculated for the date on which the previous measured value was recorded.
- (7) System was down upon arrival. Day and time of system shut down were estimated from hour meter.
- (8) The presence of water vapor prevented an accurate measurement of flow rate. The flow rate in scfm is substituted data from the previous monitoring event.
- (9) Several analytes have been detected at low concentrations. These analytes are not shown but the detected concentrations are used to calculate total VOC concentrations and removal rates. Table 4 contains a summary of all detections.
- (10) Vacuum reading was not given for departure data. The reading is an estimate based off of the previous data.
- (11) No flow measurements were recorded on this date. Estimated VOC removal rates were estimated using the flow rate in scfm calculated for the date on which the next measured value was recorded.

Table 7
Soil Vapor Extraction Data for PSVE-9 at Former Oil Staging Area
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Date	Time	Calculated Time Interval (hours)	Elapsed Time on Hour Meter (hours)	SVE Wells On-line		Flow From PSVE-9						Notes	Laboratory Analytical Data (3)												Estimated VOC Removal Rates (4)								Cumulative Mass Removal (5)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
						Total VOCs		Vacuum at Well (in-wc)	Temp. at Manifold (oF)	Flow Rate			PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	c-1,2-DCE (ug/L)	Methylene Chloride (ug/L)	Total VOCs (ug/L) (9)	PCE (ppmv)	TCE (ppmv)	1,1-DCE (ppmv)	1,1,1-TCA (ppmv)	c-1,2-DCE (ppmv)																	Methylene Chloride (ppmv)	Total VOCs (ppmv) (9)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Table 7
Soil Vapor Extraction Data for PSVE-9 at Former Oil Staging Area
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Date	Time	Calculated Time Interval (hours)	Elapsed Time on Hour Meter (hours)	SVE Wells On-line		Flow From PSVE-9					Notes	Laboratory Analytical Data (3)													Estimated VOC Removal Rates (4)								Cumulative Mass Removal (5)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				PSVE #	PSVE #	Total VOCs		Vacuum at Well (in-wc)	Temp. at Manifold (oF)	Flow Rate		PCE (ug/L)	TCE (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	c-1,2-DCE (ug/L)	Methylene Chloride (ug/L)	Total VOCs (ug/L) (9)	PCE (ppmv)	TCE (ppmv)	1,1-DCE (ppmv)	1,1,1-TCA (ppmv)	c-1,2-DCE (ppmv)	Methylene Chloride (ppmv)																Total VOCs (ppmv) (9)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
						by PID (1) (hexane) (ppmv)	by PID (2) (isobut.) (ppmv)			(acfm)															(scfm)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

Abbreviations

--	no measurement	NA	not applicable
<	not detected at indicated method detection limit	PID	Photoionization detector
acfm	actual cubic feet per minute	ppmv	parts per million by volume
1,1-DCE	1,1-dichloroethene	PCE	Tetrachloroethene
cis-1,2-DCE	cis-1,2-dichloroethene	scfm	standard cubic feet per minute
°F	degrees Fahrenheit	SVE	soil vapor extraction
FID	Flame ionization detector	1,1,1-TCA	1,1,1-trichloroethane
in-wc	inches of water column	TCE	Trichloroethene
lb/day	pounds per day	VOC	Volatile organic compound
lbs	pounds	X	SVE well was online

Notes

- (1) PID is calibrated with 50 ppmv of hexane, per South Coast Air Quality Management District ("SCAQMD") permit condition 9.
- (2) PID measurements were also made using a PID instrument calibrated with 100 ppmv isobutylene for comparison.
- (3) Samples of combined inflow to SVE system were analyzed by Calscience, using EPA Method TO-15.
- (4) Removal rates are calculated using the measured temperature and measured flow rate (converted from acfm to scfm using the measured vacuum and temperature) and analyte concentrations from laboratory analyses (see Calc. Notes column in table):
- A: Mass removal calculated using current laboratory analytical data. The detection limit divided by two was substituted for data that were reported at the analytical detection limit.
- B: Mass removal calculated using an average of the previous and current laboratory analytical data. The detection limit divided by two was substituted for data that were reported at the analytical detection limit.
- C: Mass removal calculated using the previous laboratory analytical data. The detection limit divided by two was substituted for data that were reported at the analytical detection limit.
- (5) Cumulative mass removal amounts are calculated using the product of estimated VOC removal rates for each day and time and the calculated system run time between measurements.
- (6) No flow measurements were recorded on this date. Estimated VOC removal rates were estimated using the flow rate in scfm calculated for the date on which the previous measured value was recorded.
- (7) System was down upon arrival. Day and time of system shut down were estimated from hour meter.
- (8) The presence of water vapor prevented an accurate measurement of flow rate. The flow rate in scfm is substituted data from the previous monitoring event.
- (9) Several analytes have been detected at low concentrations. These analytes are not shown but the detected concentrations are used to calculate total VOC concentrations and removal rates. Table 4 contains a summary of all detections.
- (10) Vacuum reading was not given for departure data. The reading is an estimate based off of the previous data.

Table 8
Summary of VOC Analytical Results for Soil Vapor Samples Collected from Vapor Monitoring Wells - July through December 2006
13500 Paxton Street, Pacoima CA

Sample Location	Sample Depth (feet, bgs)	Date	Analytical Results (µg/L) (1)																	
			PCE	1,1,1-TCA	TCE	cis-1,2-DCE	1,1-DCE	1,1-DCA	Chloroform	Trichloro-fluoromethane	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	trans-1,2-dichloroethene	Methylene Chloride	1,1,2-trichlorotrifluoroethane	Vinyl Chloride	Other VOCs
PMW-9	15	7/7/2006	3.1	<1	<1	<1	0.5	<1	<1	0.4	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-9	15	11/28/2006	4	<1	0.1 J	<1	0.4 J	<1	<1	0.2 J	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-9	30	7/7/2006	19	0.6	1.5	0.1	3.5	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-9	30	11/28/2006	23	0.5 J	1.6	0.1 J	3.4	<1	<1	0.2 J	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-9	45	7/7/2006	30	1.1	4.7	1	5.2	0.2	0.1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-9	45	11/28/2006	31	1.1	5.6	1	5.6	0.2 J	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-9	45	11/28/2006	34	1.2	6.4	1.1	6.4	0.3 J	0.1 J	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-10	18	7/6/2006	3	0.5	<1	<1	0.3	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-10	18	11/29/2006	5.1	0.3 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-10	33	7/6/2006	5.7	2.1	0.1	<1	1.3	0.1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-10	33	11/29/2006	0.7 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-10	33	11/29/2006	0.7 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-10	46	11/29/2006	0.4 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-10	48	7/6/2006	6.4	2.5	0.2	<1	1.4	0.2	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-10	48	7/6/2006	6.7	2.8	0.2	<1	1.5	0.2	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-11	15	7/6/2006	640	<2	3.2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<2	<2	2.5	<10	<4	Methylene Chloride = 2.5
PMW-11	15	10/6/2006	2	<0.0038	0.0061	<0.0028	<0.0028	<0.0028	<0.0034	<0.0078	<0.0022	0.0063	<0.003	<0.006	<0.003	<0.0028	<0.048	<0.011	<0.0018	Acetone = 0.033
PMW-11	15	11/29/2006	1.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-11	30	7/6/2006	1,300	<5	5.8	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<250	<25	<10	ND
PMW-11	30	10/6/2006	6.5	<0.0044	0.035	<0.0032	<0.0032	<0.0032	<0.0039	<0.009	<0.0026	0.0036	<0.0035	<0.0069	<0.0035	<0.0032	<0.056	<0.012	<0.002	Acetone = 0.047
PMW-11	30	10/6/2006	5.1	<0.0044	0.049	<0.0032	<0.0032	<0.0033	<0.004	<0.0091	<0.0026	0.0035	<0.0035	<0.007	<0.0035	<0.0032	<0.056	<0.012	<0.0021	Acetone = 0.098 2-Butanone = 0.0084
PMW-11	30	11/29/2006	20	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-11	45	7/6/2006	8.5	<0.004	0.092	0.0043	<0.0029	<0.003	<0.0036	<0.0083	<0.0023	0.0066	<0.0032	<0.0064	<0.0032	<0.0029	<0.01	<0.011	<0.0019	Acetone = 0.072 2-Butanone = 0.0054 Chloromethane = 0.0016
PMW-11	45	7/6/2006	740	<1	2.5	0.1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-11	45	10/6/2006	14	0.26	0.68	0.0083	0.69	0.014	0.22	<0.0084	<0.0024	<0.0028	<0.0032	<0.0065	<0.0032	<0.003	<0.052	0.022	<0.0019	Acetone = 0.021 Freon 113 = 0.022
PMW-11	45	11/29/2006	22	<1	0.2 J	<1	0.1 J	<1	0.2 J	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-11	45	11/29/2006	4.8	0.018	0.05	<0.0054	0.038	<0.0055	0.06	<0.015	<0.0043	<0.0051	<0.0059	<0.012	<0.0059	<0.0054	<0.094	<0.021	<0.0035	ND
PMW-12	20	7/7/2006	4.9	<1	0.2	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-12	20	11/29/2006	3.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-12	35	7/7/2006	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-12	35	11/29/2006	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-12	50	7/7/2006	3.9	<1	0.2	0.1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND

Table 8
Summary of VOC Analytical Results for Soil Vapor Samples Collected from Vapor Monitoring Wells - July through December 2006
13500 Paxton Street, Pacoima CA

Sample Location	Sample Depth (feet, bgs)	Date	Analytical Results (µg/L) (1)																	
			PCE	1,1,1-TCA	TCE	cis-1,2-DCE	1,1-DCE	1,1-DCA	Chloroform	Trichloro-fluoromethane	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	trans-1,2-dichloroethene	Methylene Chloride	1,1,2-trichlorotrifluoroethane	Vinyl Chloride	Other VOCs
PMW-12	50	7/7/2006	4.5	<1	0.2	0.1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-12	50	11/29/2006	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-13	15	7/7/2006	4.3	0.1	<1	<1	0.8	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-13	15	11/28/2006	6.7	0.2 J	<1	<1	0.7 J	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-13	30	7/7/2006	9.2	0.5	0.2	<1	2.2	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-13	30	11/28/2006	10	0.4 J	0.2 J	<1	2.3	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-13	30	11/28/2006	3.4	0.14	0.066	<0.027	0.55	<0.028	<0.034	<0.078	<0.022	<0.026	<0.03	<0.06	<0.03	<0.027	<0.48	<0.11	<0.018	ND
PMW-13	45	7/7/2006	53	2.3	2	<1	10	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-13	45	11/28/2006	53	1.5	1.6	<1	7.7	<1	0.1 J	<1	<1	<1	<1	<2	<1	<1	<50	1 J	<2	Freon 113 = 1
PMW-13	60	7/7/2006	42	2.7	4.4	0.95	8.1	0.34	0.14	<0.28	<0.08	<0.094	<0.11	<0.22	<0.11	0.13	0.6	0.98	<0.064	Acetone = 0.91 Carbon Disulfide = 0.47 t-1,2-DCE = 0.13 Freon 113 = 0.98 Methylene Chloride = 0.6
PMW-13	60	7/7/2006	65	3.1	3.7	1	10	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-13	60	11/28/2006	61	1.9	3.2	0.7 J	7.7	0.2 J	0.1 J	<1	<1	<1	<1	<2	<1	<1	<50	1.2 J	<2	Freon 113 = 1.2
PMW-14	15	7/6/2006	3.6	<1	0.1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-14	15	11/28/2006	4.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-14	30	7/6/2006	10	<1	8	<1	0.2	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-14	30	11/28/2006	12	<1	6.1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-14	45	7/6/2006	20	2	39	<1	<1	0.6	0.1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-14	45	11/28/2006	22	0.9 J	26	<1	<1	0.3 J	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-14	60	7/6/2006	6.8	2.1	2.3	<1	0.6	0.2	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-14	60	11/28/2006	6.1	0.7 J	1.1	<1	0.3 J	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-15	20	7/6/2006	0.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-15	20	11/29/2006	0.2 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-15	35	7/6/2006	0.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-15	35	11/29/2006	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-15	50	7/6/2006	1.7	<1	<1	<1	0.2	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-15	50	11/29/2006	0.7 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-15	65	7/6/2006	2.7	<1	0.1	<1	0.3	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-15	65	11/29/2006	1 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-17	10	7/6/2006	0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-17	10	11/28/2006	0.5 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-17	10	11/28/2006	0.41	<0.0039	<0.0038	<0.0028	<0.0028	<0.0029	<0.0035	<0.008	<0.0023	<0.0027	<0.0031	<0.0062	<0.0031	<0.0028	<0.049	<0.011	<0.0018	Acetone = 0.021
PMW-17	25	7/6/2006	0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND

Table 8
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13500 Paxton Street, Pacoima CA

Sample Location	Sample Depth (feet, bgs)	Date	Analytical Results (µg/L) (1)																	
			PCE	1,1,1-TCA	TCE	cis-1,2-DCE	1,1-DCE	1,1-DCA	Chloroform	Trichloro-fluoromethane	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	trans-1,2-dichloroethene	Methylene Chloride	1,1,2-trichlorotrifluoroethane	Vinyl Chloride	Other VOCs
PMW-17	25	11/28/2006	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-17	40	7/6/2006	5.3	0.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
PMW-17	40	11/28/2006	5.1	0.2 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
SVMW-202	15	7/7/2006	4.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
SVMW-202	15	11/28/2006	3.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
SVMW-202	30	7/7/2006	34	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
SVMW-202	30	11/29/2006	20	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
SVMW-202	45	7/7/2006	26	0.4	0.39	0.22	0.33	<0.061	0.073	<0.17	<0.048	<0.057	<0.065	<0.13	<0.065	<0.059	0.33	<0.23	<0.038	Acetone = 0.4 Carbon Disulfide = 0.28 Methylene Chloride = 0.33
SVMW-202	45	7/7/2006	36	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
SVMW-202	45	11/29/2006	6.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
SVMW-203	18	7/6/2006	1.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
SVMW-203	33	7/6/2006	2.9	<1	0.4	0.9	0.6	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
SVMW-203	48	7/7/2006	2.8	0.3	1.2	9	1	0.3	0.2	0.4	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
SVMW-204	24	7/7/2006	1.7	<0.011	<0.011	<0.0079	<0.0079	<0.0081	<0.0098	<0.022	<0.0064	<0.0075	<0.0087	<0.017	<0.0087	<0.0079	<0.028	<0.031	<0.0051	Acetone = 0.07
SVMW-204	24	7/7/2006	0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
SVMW-204	39	7/7/2006	0.9	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND
SVMW-204	54	7/7/2006	1.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<50	<5	<2	ND

Abbreviations:

< - Compound not detected at or above indicated laboratory detection limit
1,1-DCA - 1,1-Dichloroethane
1,1-DCE - 1,1-Dichloroethene
1,1-TCA - 1,1,1-Trichloroethane
bgs - below ground surface
cis-1,2-DCE - cis-1,2-Dichloroethene
D - The sample data was reported from a diluted analysis
J - Estimated value, below the laboratory reporting limit
NA - Not Analyzed or Not Available
PCE - Tetrachloroethene
TCE - Trichloroethene
µg/L - Micrograms per liter
VOCs - Volatile Organic Compounds

Notes:

(1) Soil vapor samples were analyzed for VOCs using either gas chromatography/mass spectrometry in an on-Site mobile laboratory or EPA Method TO-15 at an off-site fixed laboratory.

Table 9
Vacuum Profile Testing Data Near Former Oil Staging Area (a)
Former Price Prister Facility, 13500 Paxton Street, Pacoima, California

Date	Well Vacuum (in-WC) (b)																	
	PSVE-8 (45 ft)	PSVE-9 (50 ft)	PMW-11			PMW-12			PMW-10			PMW-15				PMW-17		
			Upper (15 ft)	Mid (30 ft)	Deep (45 ft)	Upper (20 ft)	Mid (35 ft)	Deep (50 ft)	Upper (18 ft)	Mid (33 ft)	Deep (48 ft)	Upper (20 ft)	Mid (35 ft)	Deep (50 ft)	Deepest (65 ft)	Upper (10 ft)	Mid (25 ft)	Deep (40 ft)
28 September 2006 Vacuum Testing (122 scfm at PSVE-8 and 120 scfm at PSVE-9)																		
9/28/2006	12.5	15.8	0.2	1.6	2.2	0.28	0.26 (c)	~1 (c)(d)	0.02	0.05	0.065	0.015	0.03	0.015	0.01	--	--	--
4 December 2006 Vacuum Testing (183 scfm at PSVE-8 and 160 scfm at PSVE-9)																		
12/4/2006	18.5	18.8	0.35	2.2	3.0	0.42 (c)	0.41 (c)	0.15 (c)	0.02	0.1	0.11	0.02	0.03	0.02	0.02	--	0.1	0.03

Abbreviations:

-- - measured vacuum was less than -0.01 in-WC

ft - feet

in-WC - inches of water column

scfm - standard cubic feet per minute

Notes:

(a) The wells shown in this table had vacuum measured above 0.01 in-WC. All 11 vapor monitoring wells were monitored during vacuum testing in September 2006; nine were monitored during vacuum testing in December 2006.

(b) Well vacuum indicates the measured gauge pressure lower than atmospheric pressure.

(c) Vapor probe depth label missing or illegible.

(d) The vacuum recorded for well PMW-12 at 50 feet bgs was initially shown to be greater than 1.0 in-WC. When a higher range device was placed on the probe no vacuum could be recorded. No vacuums could be detected on any lower range instruments. It is assumed that the seal in a tubing connection was lost.

Table 10
Granular Activated Carbon Data for SVE System at Former Oil Staging Area
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Date	Time	Calculated Time Interval (hours)	Elapsed Time on Hour Meter (hours)	SVE Wells On-line		Dilution (# Turns on Valve)	Notes	Blower Discharge / Carbon Influent						Carbon Effluent						
				PSVE-8	PSVE-9			Pressure (psig)	Temp. (°F)	Flow Rate		Average Influent C1			Average Effluent C1		Average Effluent C2			
										(acfm)	(scfm)	by PID (1) (hexane) (ppmv)	by PID (2) (isobut.) (ppmv)	by EPA Methods 8260B and 8021B Mod. (ppmv)	by PID (1) (hexane) (ppmv)	by PID (2) (isobut.) (ppmv)	by PID (1) (hexane) (ppmv)	by PID (2) (isobut.) (ppmv)	by EPA Methods 8260B and 8021B Mod. (ppmv)	
System startup on 8/15/06 at 0940.																				
8/15/2006	9:40	0	—	X	X	closed	System startup.	20	90	80	184	7.1	1.2	—	0.0	0.0	0.0	0.0	—	
8/15/2006	17:30	7.8	7.8	X	X	6x	System startup departure data. Summa samples collected.	20.5	102	241	551	111.0	11.5	14.0	0.0	0.0	0.0	0.0	ND	
8/16/2006	10:00	16.5	15.2	X	X	5.5x	No changes upon departure.	35	89	247	817	87.2	10.5	—	0.0	0.0	0.0	0.0	—	
8/17/2006	13:00	27.0	23	X	X	5x	System was down upon arrival for temperature over 120. Flow is reduced to approximately 75 acfm in each well. System re-started at 13:00. (3)	24.7	70	248	674	49.9	1.1	—	0.0	0.0	0.0	0.0	—	
8/18/2006	7:15	18.3	20	X	X	5x	System shuts down again. Drewelow determines that there is a problem with the electrical programming. (3)	28.7	86.5	224	650	5.5	4.8	—	0.8	0.7	0.0	0.0	—	
8/18/2006	11:00	3.8	3.8	X	X	8x	Departure data.	27.9	92.2	250	705	5.5	2.0	—	1.8	0.6	0.0	0.0	—	
8/19/2006	6:00	19.0	18.2	X	X	8x	System continues to shut down. (3)	25.3	86	247	661	4.9	2.2	—	0.0	0.4	0.0	0.0	—	
8/19/2006	7:30	1.5	1.5	X	X	closed	Departure data.	24.8	89	235	618	3.7	1.1	—	0.0	0.0	0.0	0.0	—	
8/20/2006	6:30	23.0	23.5	X	X	closed		24.3	90.6	223	577	2.6	0.9	—	0.0	0.0	0.0	0.0	—	
8/20/2006	7:30	1.0	1	X	X	closed	No changes upon departure.	24.3	90.6	223	577	2.6	0.9	—	0.0	0.0	0.0	0.0	—	
8/21/2006	8:30	25.0	2	X	X	closed	System was down upon arrival. Re-started at 8:30 am. Finish SVE startup testing. (3)	24.2	88	246	638	16.4	27.7	—	0.0	0.0	0.0	0.0	—	
8/24/2006	9:25	72.9	43	X	X	—	Summa samples collected.	—	—	—	—	—	—	—	—	—	—	—	—	
8/28/2006	8:30	95.1	2	X	X	closed	System was down upon arrival. Re-started at 8:30 am. (3)	24.6	89	217	568	2.1	0.9	5.9	0.0	0.0	0.0	0.0	4.0	
9/5/2006	7:45	191.3	153	X	X	closed	System was down upon arrival. Re-started at 7:00 am. (3)	24.2	95	230	589	8.9	3.8	—	0.0	0.0	0.0	0.0	—	
9/11/2006	10:00	146.3	126	X	X	closed	System was down upon arrival. Re-started at 10:00 am. (3)	25.0	92	186	489	0.8	4.7	—	0.0	0.0	0.0	0.0	—	
9/20/2006	0:00	206.0	62	X	X	—	System was down upon arrival. System was restarted. Flow data from 9/21/06 used as run conditions are likely similar. (3)	—	—	—	—	—	—	—	—	—	—	—	—	
9/21/2006	8:45	32.8	24	X	X	closed	As a result of fluctuations in incoming voltage, the heat exchanger controller has been bypassed temporarily until proper repairs can be made by DWP to the power source.	25.0	83	248	662	20.8	1.7	—	0.0	0.0	0.0	0.0	—	
9/25/2006	8:05	95.3	95.2	X	X	—	Summa samples collected.	—	—	—	—	—	—	—	—	—	—	—	—	
9/28/2006	6:30	70.4	70.8	X	X	closed	No changes upon departure.	17.0	81	190	407	16.6	1.1	—	0.0	0.0	0.0	0.0	—	
10/6/2006	10:30	196.0	198	X	X	closed	Carbon influent and effluent samples taken.	15.0	91	195	384	0.0	0.0	—	0.0	0.0	0.0	0.0	—	
10/6/2006	12:45	2.3	3.25	X	X	closed	No changes upon departure.	25.0	91	250	658	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	
10/13/2006	8:25	163.7	37.05	X	X	2x	System was down upon arrival. EKI installed a temporary water draining apparatus. (3)	—	—	—	—	—	—	—	—	—	—	—	—	
10/17/2006	14:00	101.6	102.7	X	X	4x		25.0	99	259	672	13.6	0.9	—	0.0	0.16	0.0	0.0	—	
10/17/2006	16:00	2.0	2	X	X	closed	No changes upon departure.	25.0	96	251.6	656	14.5	0.4	—	2.0	0.0	0.0	0.0	—	
10/26/2006	8:00	208.0	206	X	X	closed	No changes upon departure.	24.0	86	250	647	20.7	1.4	—	0.0	0.0	0.0	0.0	—	
10/31/2006	12:15	124.2	126	X	X	closed	Water drum is full. The transfer hose was disconnected from the transfer pump and the pump was shut off.	23.0	90	250	626	0.0	0.0	—	0.0	0.0	0.0	0.0	—	

Table 10
Granular Activated Carbon Data for SVE System at Former Oil Staging Area
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

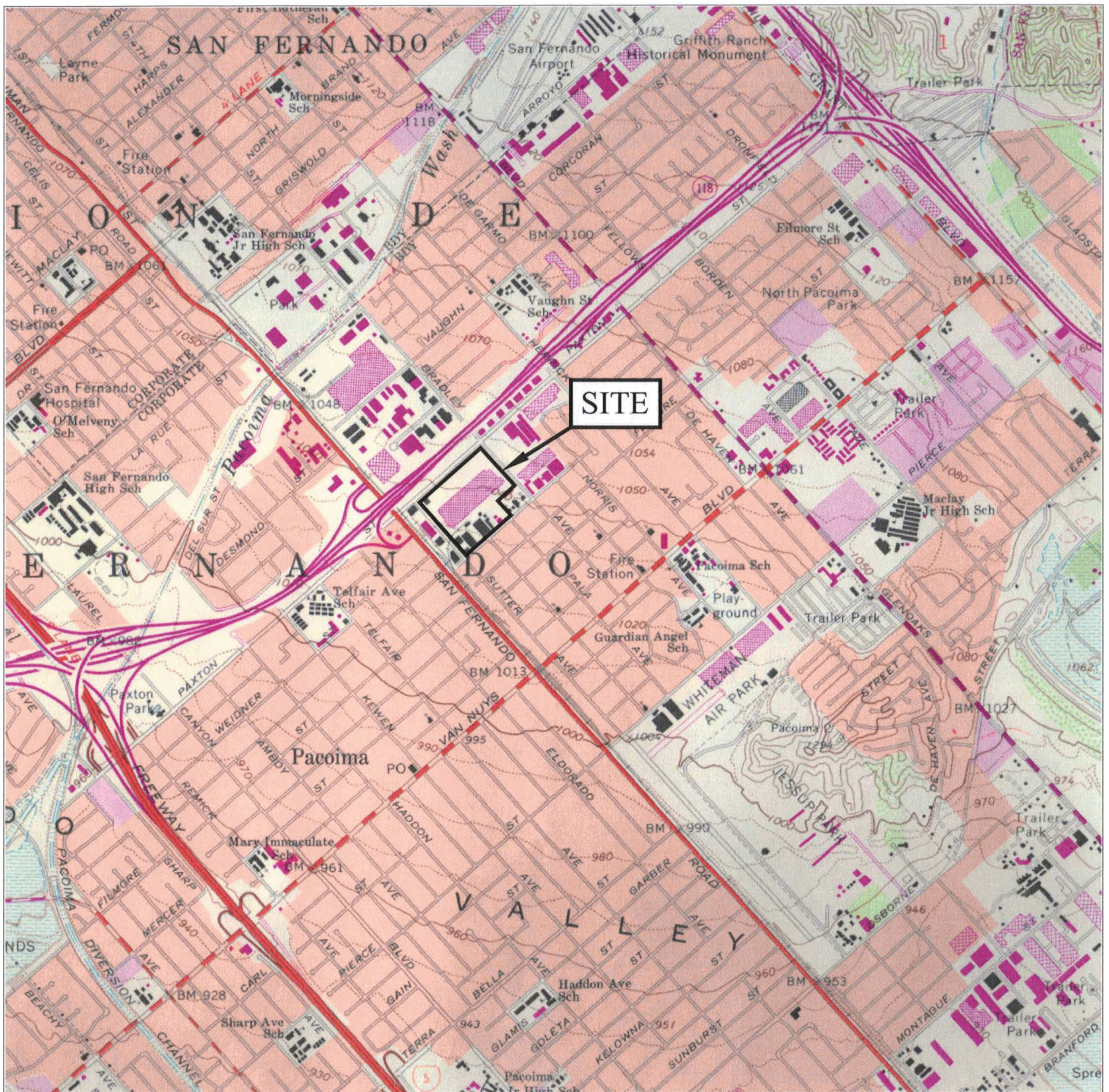
Date	Time	Calculated Time Interval (hours)	Elapsed Time on Hour Meter (hours)	SVE Wells On-line		Dilution (# Turns on Valve)	Notes	Blower Discharge / Carbon Influent						Carbon Effluent					
				PSVE-8	PSVE-9			Pressure (psig)	Temp. (°F)	Flow Rate		Average Influent C1			Average Effluent C1		Average Effluent C2		
										(acfm)	(scfm)	by PID (1) (hexane) (ppmv)	by PID (2) (isobut.) (ppmv)	by EPA Methods 8260B and 8021B Mod. (ppmv)	by PID (1) (hexane) (ppmv)	by PID (2) (isobut.) (ppmv)	by PID (1) (hexane) (ppmv)	by PID (2) (isobut.) (ppmv)	by EPA Methods 8260B and 8021B Mod. (ppmv)
11/1/2006	8:30	20.3	19.2	X	X	---	Summa sample collected from SVE Blower.	---	---	---	---	---	---	---	---	---	---	---	---
11/3/2006	9:30	49.0	43.8	X	X	---	System was down upon arrival due to high water alarm. Water drum was changed. System restarted at 9:30am. (3)	---	---	---	---	---	---	---	---	---	---	---	---
11/8/2006	13:00	123.5	124	X	X	closed	System was down upon arrival. Water drum is full. The transfer hose was disconnected from the transfer pump and the pump was shut off. (7)	25.0	1170	250	222	6.6	0.6	2.9	0.0	0.0	0.0	0.0	2.3
11/13/2006	13:00	120.0	119	X	X	closed	PID was calibrated before readings and bump checked after all readings. Readings were checked 6 times.	24.0	940	250	252	0.0	0.0	--	0.0	0.0	0.0	0.0	--
11/20/2006	14:45	169.8	69.5	X	X	closed	PID was calibrated before readings and bump checked after all readings. Readings were checked 6 times.	24.0	105	250	626	0.0	0.0	--	0.0	0.0	0.0	0.0	--
11/27/2006	13:00	166.2	166.5	X	X	closed	System down upon arrival. PID was calibrated before readings and bump checked after all readings. Readings were checked 6 times. (3)	24.0	86	247	640	0.0	0.0	--	0.0	0.0	0.0	0.0	--
11/27/2006	15:00	2.0	2	X	X	closed	No changes upon departure.	24.0	86	247	640	0.0	0.0	--	0.0	0.0	0.0	0.0	--
11/28/2006	10:00	19.0	18	X	X	--	Summa samples collected.	---	---	---	---	---	---	---	---	---	---	---	---
12/5/2006	14:00	172.0	121	X	X	closed	PID was calibrated before readings and bump checked after all readings. Readings were checked 6 times.	24.0	91	250	642	0.0	0.87	---	0.0	0.0	0.0	0.0	---
12/5/2006	16:00	2.0	2	X	X	closed	No changes upon departure.	24.0	91	250	642	0.0	0.87	---	0.0	0.0	0.0	0.0	---
12/11/2006	11:00	139.0	138	X	X	closed	The water drum was half full.	24.0	91	250	641.5	0.0	0.0	---	0.0	0.0	0.0	0.0	---
12/11/2006	12:00	1.0	1	X	X	closed	No changes upon departure.	24.0	91	250	641.5	0.0	0.0	---	0.0	0.0	0.0	0.0	---
12/19/2006	11:30	191.5	164	X	X	closed	System was down upon arrival due to high water in the drum. The hose was switched to a new drum, excess water was pumped out, and the system was restarted. (3)	24.0	90	250	642.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
12/27/2006	11:00	191.5	191	X	X	closed	The water drum was filled and hose was moved to an empty drum.	24.0	90	250	642.7	0.0	0.0	---	0.0	0.0	0.0	0.0	---
12/27/2006	12:00	1.0	1	X	X	closed	No changes upon departure.	24.0	90	250	642.7	0.0	0.0	---	0.0	0.0	0.0	0.0	---
1/3/2007	12:30	168.5	159	X	X	closed	System was down upon arrival due to high water in the drum. The hose was switched to a new drum, excess water was pumped out, and the system was restarted. (3)	24.0	90	250	642.7	0.0	0.0	---	0.0	0.0	0.0	0.0	---
Total Run Time:		2,706.0																	

Abbreviations

---	no measurement	ppmv	parts per million by volume
acfm	actual cubic feet per minute	psig	pounds per square inch (gauge pressure)
°F	degrees Fahrenheit	scfm	standard cubic feet per minute
FID	Flame ionization detector	SVE	soil vapor extraction
PID	Photoionization detector	VOC	Volatile organic compound

Notes

- (1) PID is calibrated with 50 ppmv of hexane, per South Coast Air Quality Management District ("SCAQMD") permit condition 9.
- (2) PID measurements were also made using a PID instrument calibrated with 100 ppmv isobutylene for comparison.
- (3) System was down upon arrival. Day and time of system shut down were estimated from hour meter.



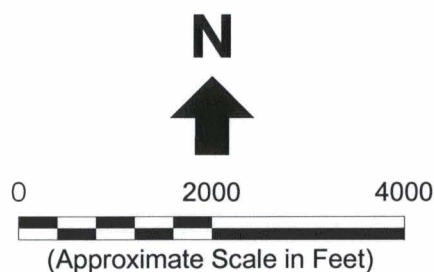
Reference: U.S.G.S. 7.5 Minute Series Topographic Map,
"San Fernando" Quadrangle, 1966 photorevised 1988.

Note:

1. All locations are approximate.

**Erler &
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Site Vicinity Map

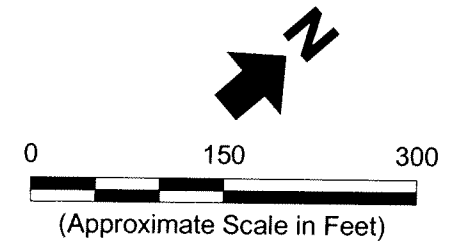
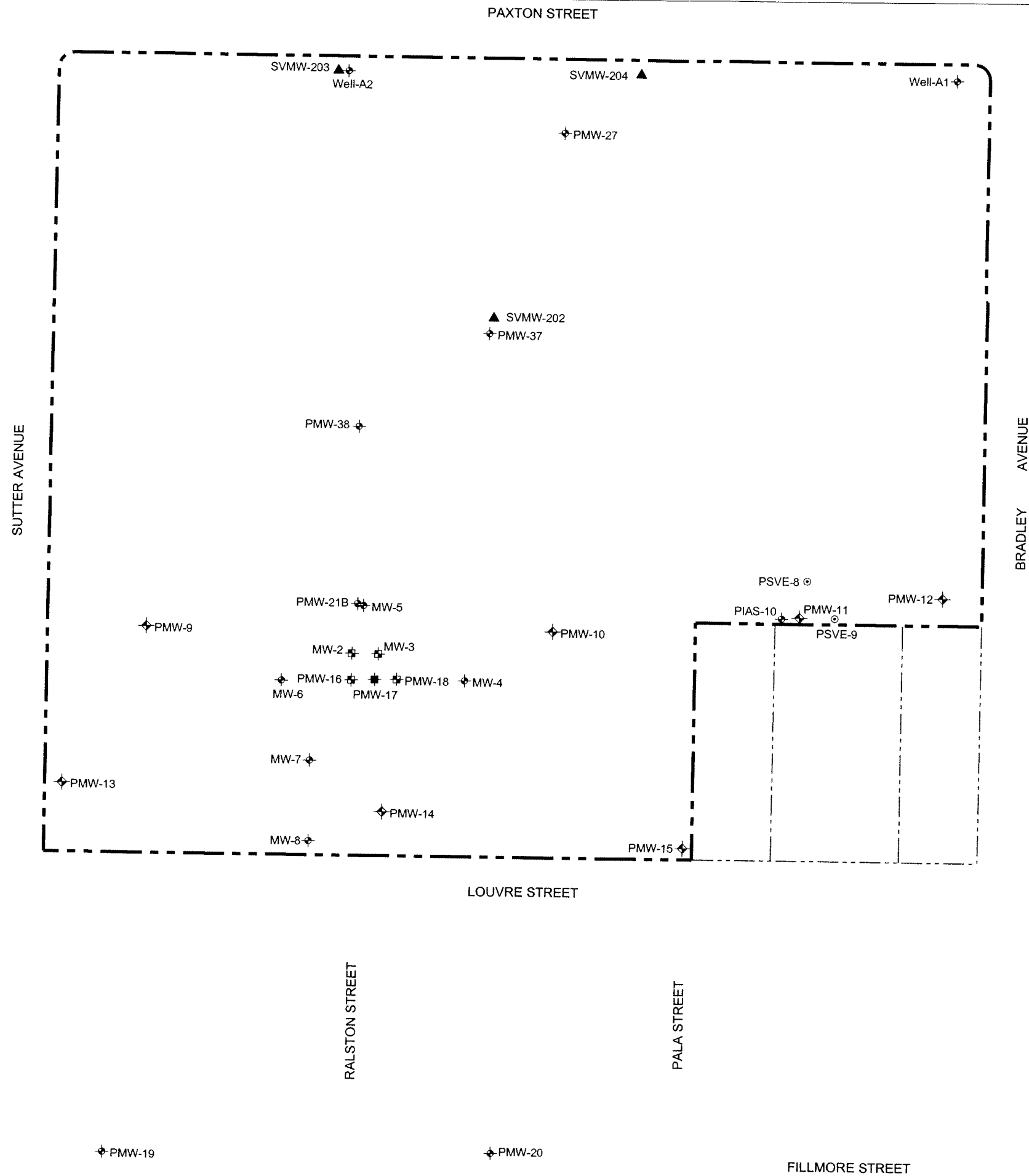


13500 Paxton Street
Pacoima, California

January 2007
A20034.03

Figure 1

6:\A20034.03 - 2007\UGP - Figure 22 - Site Plan With Well Locations.dwg 1-24-07



Legend:

- ◆ Groundwater Monitoring Well
- ◆ Soil Vapor/Groundwater Monitoring Well
- ◆ Free Hydrocarbon Product Collection Well
- ◆ Soil Vapor Monitoring/Free Hydrocarbon Product Collection Well
- ▲ Soil Vapor Monitoring Well
- Soil Vapor Extraction Well
- - - Approximate Site Boundary

Note:

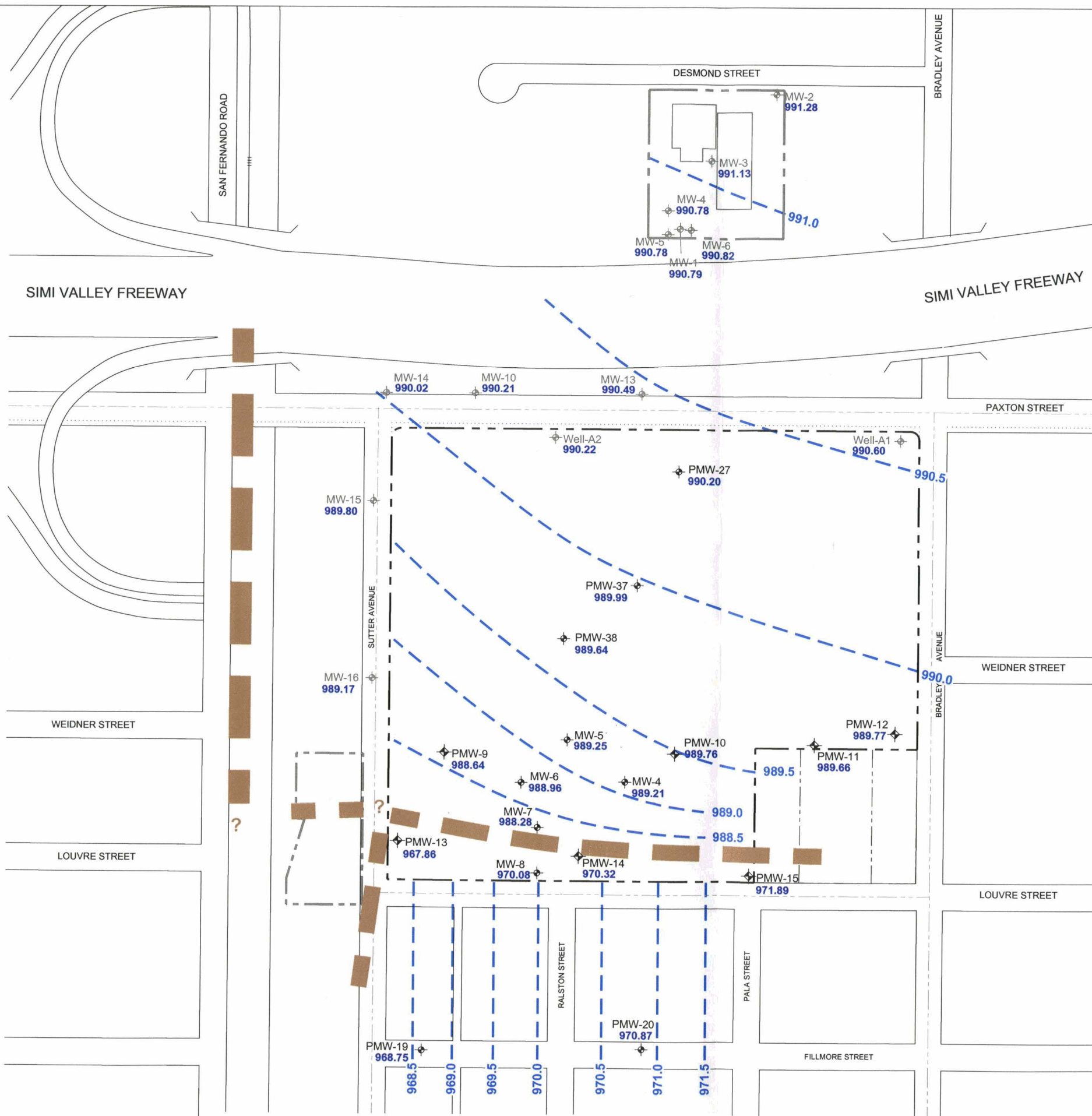
1. All locations are approximate.
2. Well-A1 and Well-A2 are not part of the Price Pfister monitoring program. These wells are monitored by Arcadis on behalf of the Soco West, Inc./Former Holchem Site.

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Kalinowski, Inc.**

Site Plan With Well Locations

13500 Paxton Street
Pacoima, CA
January 2007
EKI A20034.03

Figure 2



Legend:

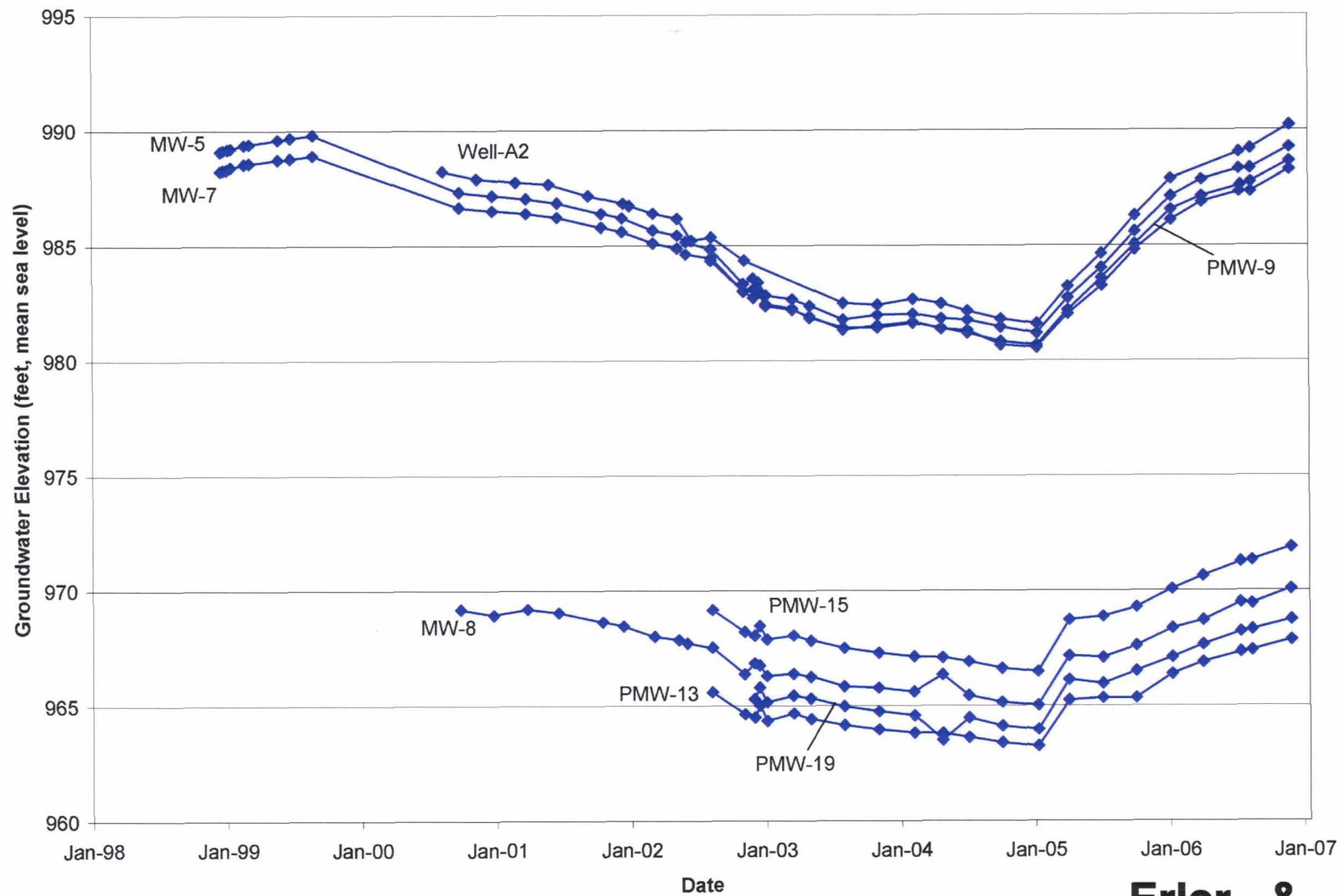
- Groundwater Monitoring Well
- Soil Vapor/Groundwater Monitoring Well
- Approximate Site Boundary
- Approximate Location of Groundwater Elevation Contour (feet above mean sea level)
- Groundwater Elevation (feet above mean sea level), 29 November 2006
- Apparent Concealed Fault Zones Based on Historical Groundwater Elevation Data

Notes:

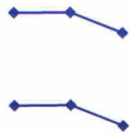
1. All locations are approximate.
2. Well symbols shown in light gray font are not part of the Price Pfister monitoring program.
3. Groundwater elevation data for Soco West, Inc./Former Holchem Site wells are provided by Arcadis.
4. No data is posted for wells screened below the groundwater table (see Table 2).

**Erler &
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Approximate Groundwater
Elevation Contours for
November 2006
13500 Paxton Street
Pacoima, CA
January 2007
EKI A20034.03
Figure 3



Legend:



Wells Located Northwest
of Apparent On-Site Fault

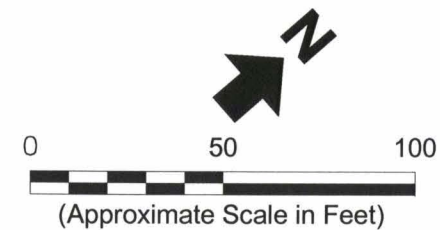
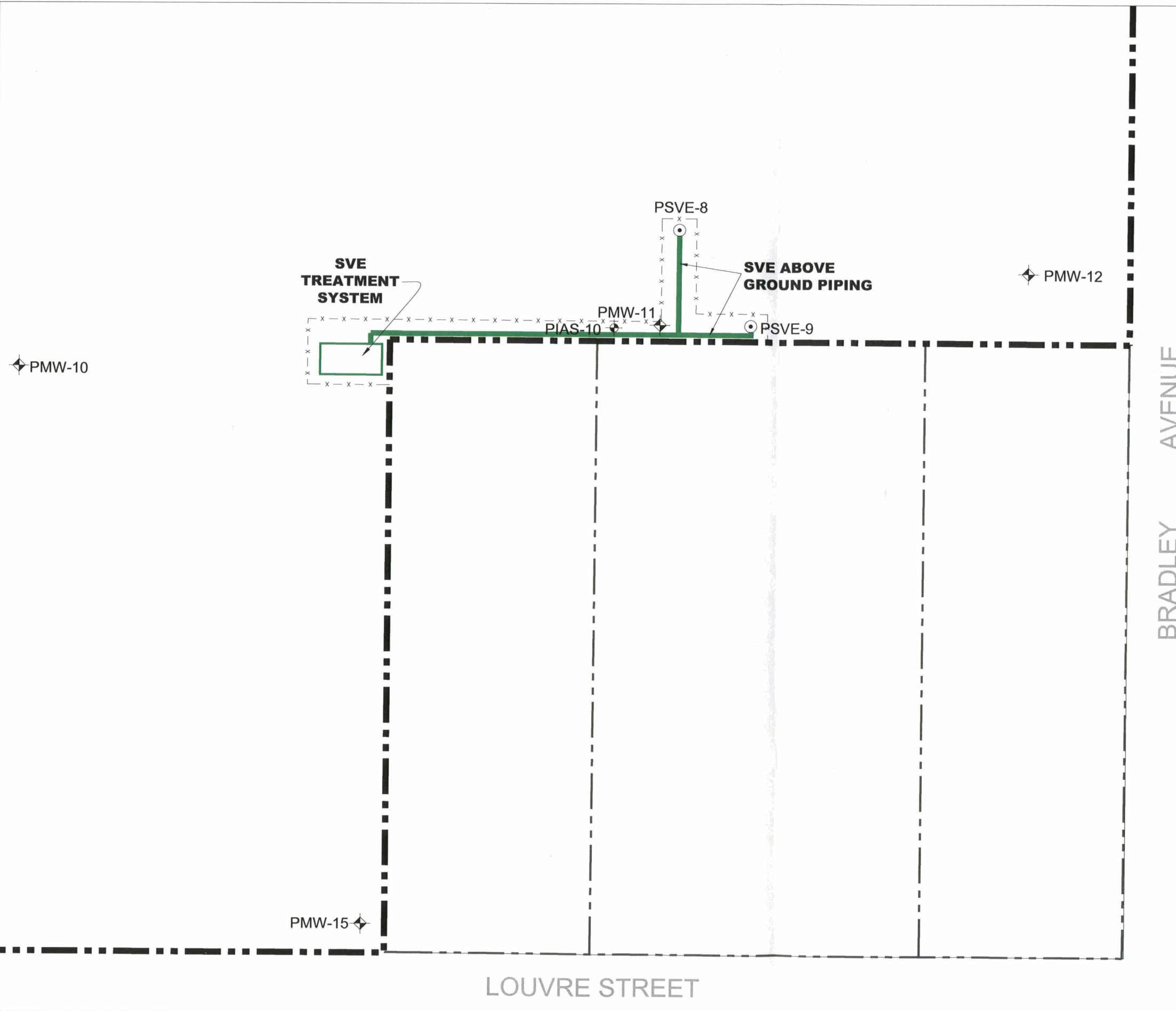
Wells Located Southeast
of Apparent On-Site Fault

**Erler &
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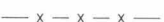

Groundwater Elevation Trends
for Selected Site Wells

13500 Paxton Street
Pacoima, CA
December 2006
EKI A20034.03

Figure 4

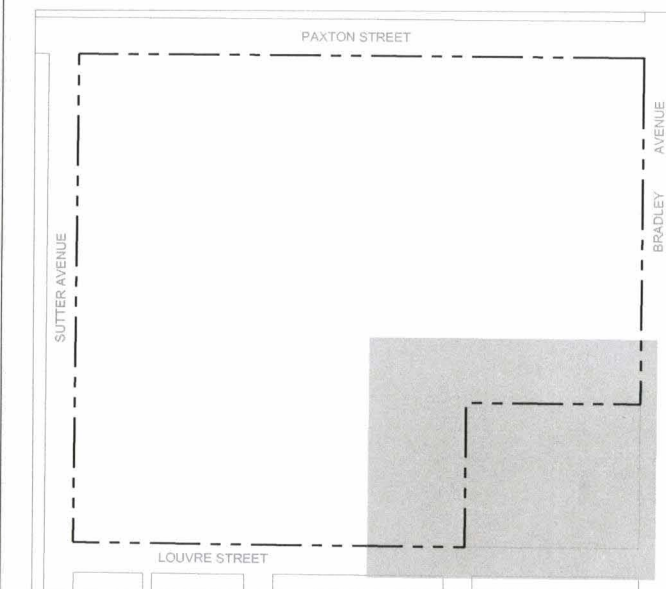


Legend:

-  Groundwater Monitoring Well
-  Soil Vapor Extraction Well
-  Soil Vapor/Groundwater Monitoring Well
-  Above-Grade SVE Piping
-  Temporary Fencing
-  Approximate Site Boundary

Abbreviation:

SVE = Soil vapor extraction



Notes:

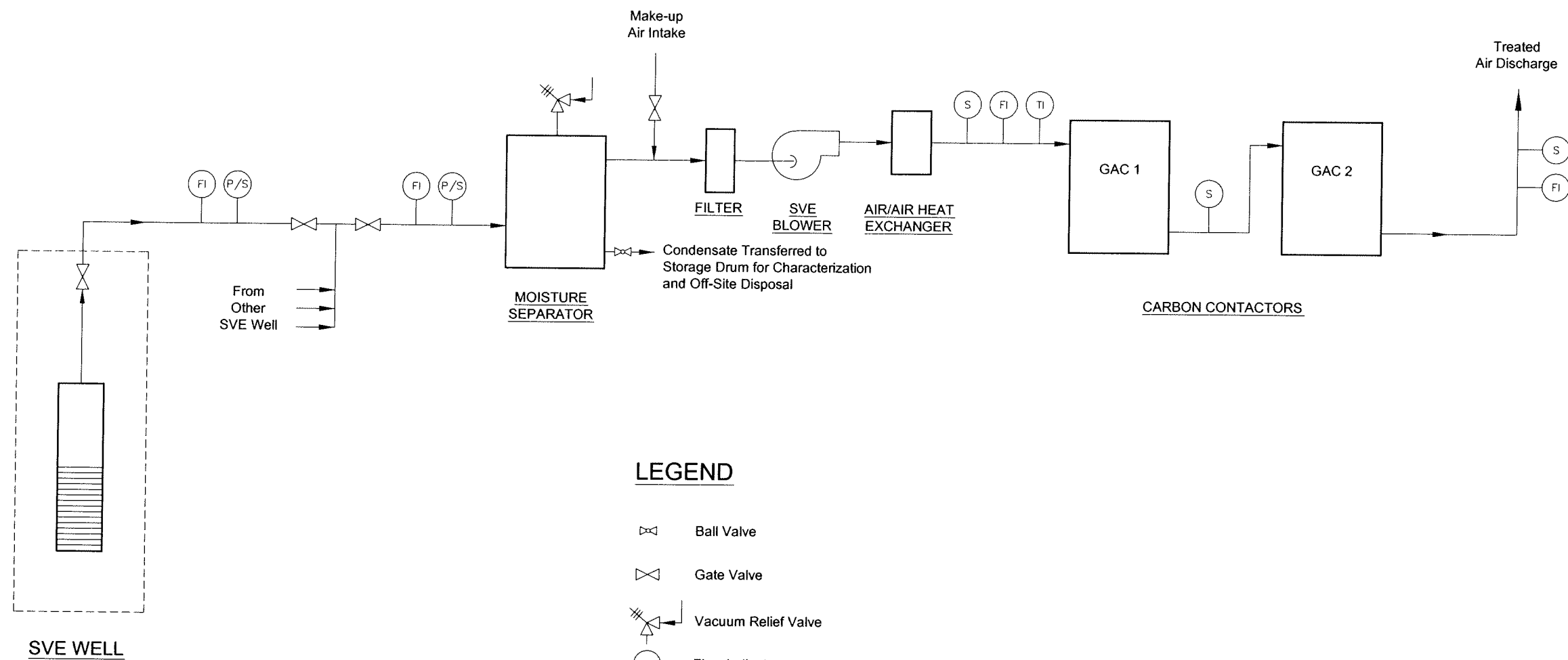
1. All locations are approximate. Well locations were surveyed by Bill Carr Surveys, Inc.

**Erler &
Kalinowski, Inc.**

Layout of SVE System

13500 Paxton Street
Pacoima, CA
January 2007
EKI A20034.03

Figure 5



**Erler &
Kalinowski, Inc.**

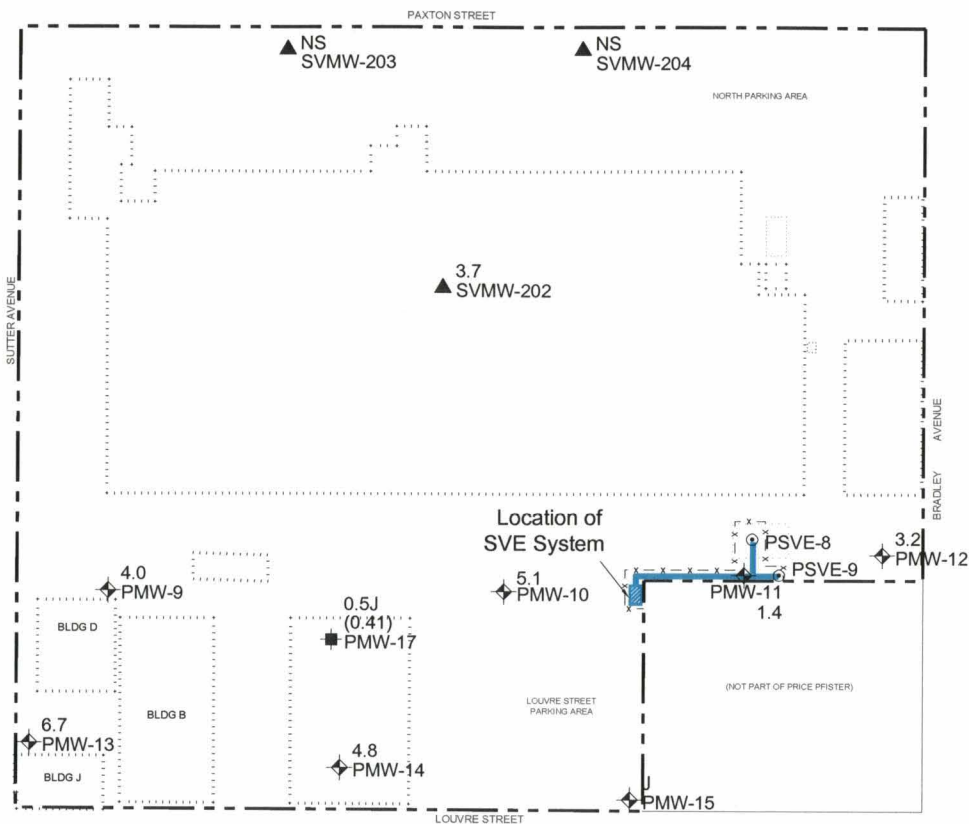
Simplified Process and
Instrumentation Diagram
for the SVE System

13500 Paxton Street
Pacoima, CA

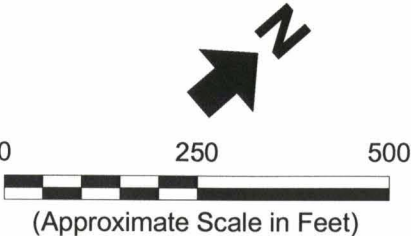
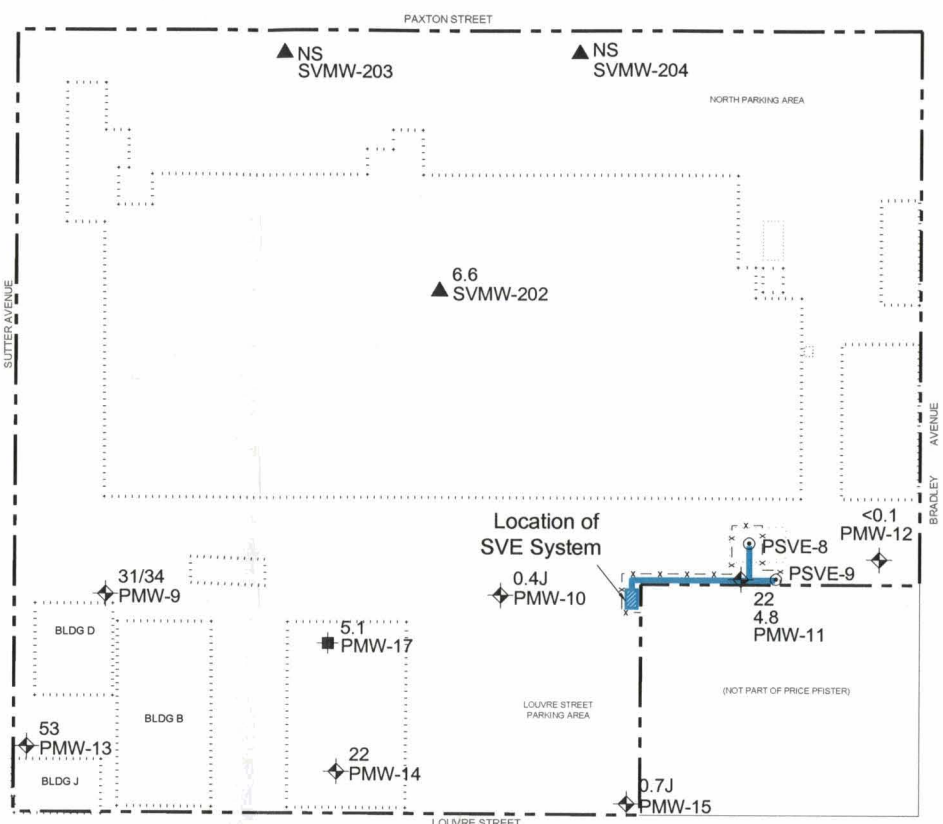
January 2007
EKI A20034.03

Figure 6

PCE CONCENTRATIONS AT FIRST SCREEN ~10 TO 24 ft bgs



PCE CONCENTRATIONS AT THIRD SCREEN ~40 TO 54 ft bgs



Legend:

- ▲ Soil Vapor Monitoring Well
- Soil Vapor Extraction Well
- ◆ Soil Vapor/Groundwater Monitoring Well
- Soil Vapor Monitoring/Free Hydrocarbon Product Collection Well
- - - Approximate Site Boundary
- x - x - x - x - Fence
- 3.9 PCE Concentration in Soil Gas, µg/L
- (17) Duplicate Value
- Above-Grade SVE Piping

Abbreviations:

- ft bgs = Feet below ground surface
- J = Detection below the standard laboratory reporting limit of 1 µg/L
- NS = Not sampled
- µg/L = Micrograms per liter
- PCE = Tetrochloroethene
- SVE = Soil vapor extraction

Notes:

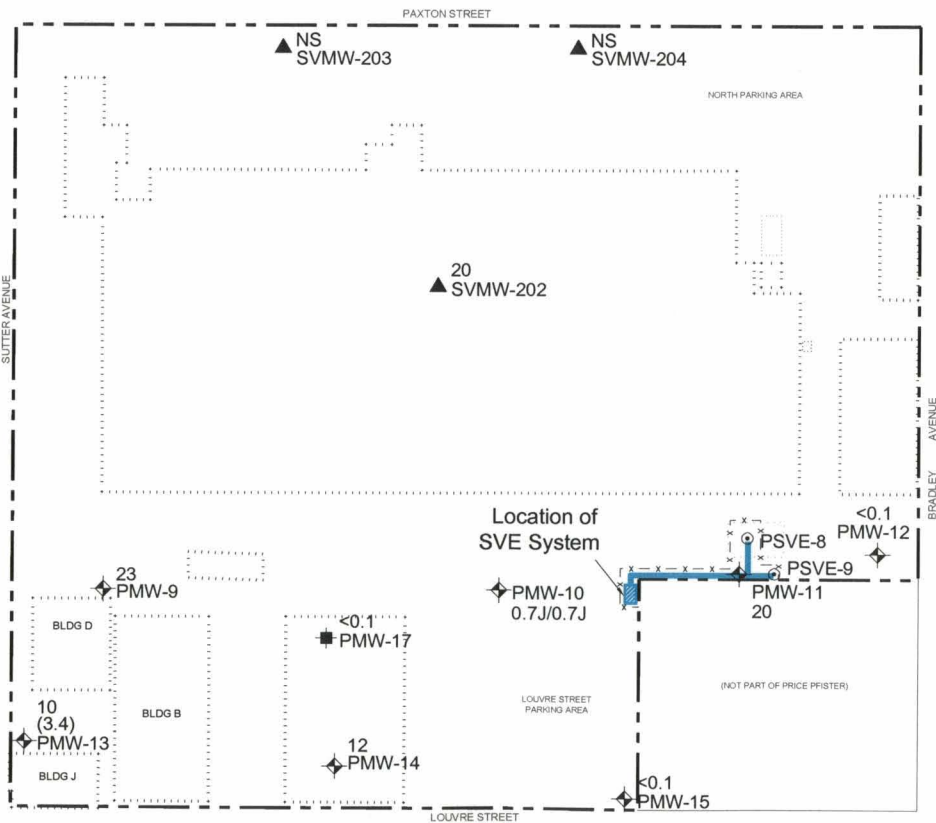
1. All locations are approximate.
2. All vapor monitoring wells have vapor sampling screens at roughly 15 ft, 30 ft, and 45 ft bgs. Wells PMW-13, PMW-14, and PMW-15 also have screens at roughly 60 ft bgs.
3. Operation of the SVE system was started on 15 August 2006.

**Erler &
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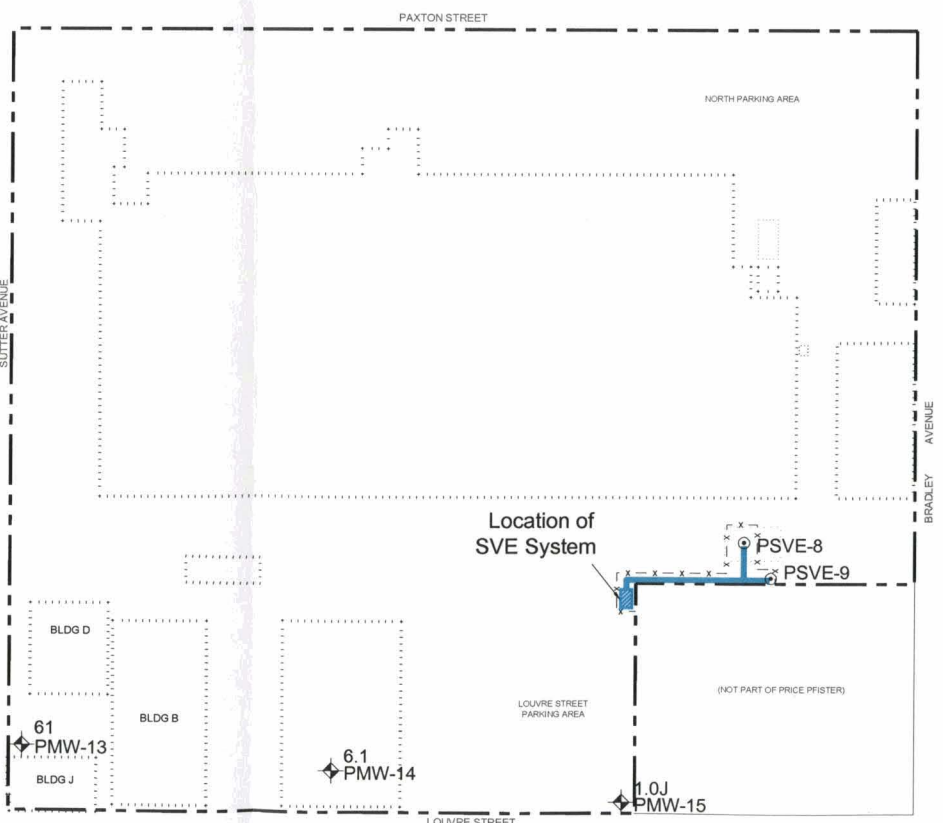
PCE Concentrations in Soil Vapor
November 2006

13500 Paxton Street
Pacoima, CA
January 2007
EKI A20034.04
Figure 7

PCE CONCENTRATIONS AT SECOND SCREEN ~25 TO 39 ft bgs



PCE CONCENTRATIONS AT FOURTH SCREEN ~60 TO 65 ft bgs



G:\A20034.03\env07\GPR\Figure 08 - Apparent Radius of SVE Influence.dwg 1-24-07

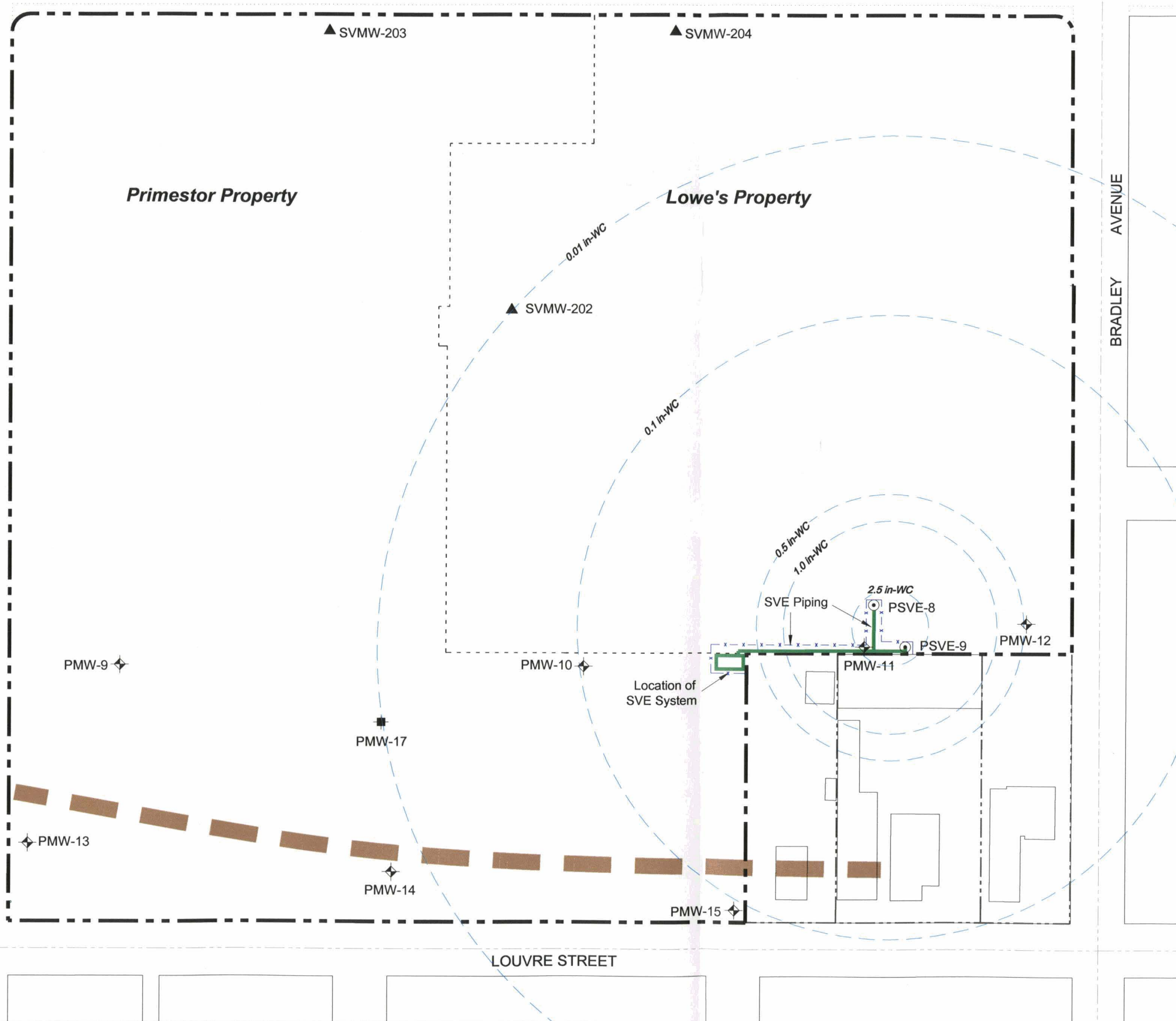
SUTTER AVENUE

PAXTON STREET

BRADLEY AVENUE

Primestor Property

Lowe's Property



0 125 250

(Approximate Scale in Feet)

Legend:

- Soil Vapor/Groundwater Monitoring Well
- Soil Vapor Monitoring Well
- Soil Vapor Monitoring/Free Hydrocarbon Product Collection Well
- Soil Vapor Extraction Well
- Above-Grade SVE Piping
- Approximate Site Boundary
- Temporary Fencing
- Idealized Radius of Influence Contour Based on Vacuum Readings in Data From Mid-Depth and Deep Probes on December 2006
- Apparent Concealed Fault Zones Based on Historical Groundwater Elevation Data

Abbreviations:

- in-WC = Inches of water column
SVE = Soil vapor extraction

Note:

1. All locations are approximate. Well locations were surveyed by Bill Carr Survey's, Inc.
2. Due to the limited number of existing sample locations, radius of influence contours are based on current and historical vacuum testing.

**Erler &
Kalinowski, Inc.**

Idealized Radius of SVE Influence
Based on Vacuum Readings

13500 Paxton Street
Pacoima, CA
January 2007
EKI A20034.03
Figure 8

APPENDIX A
GROUNDWATER MONITORING DATA FOR 2006

- A-1. Water Level Measurements for 2006
- A-2. Summary of VOC Analytical Results for Groundwater for 2006
- A-3. Summary of Emergent Chemical Analytical Results for Groundwater for 2006
- A-4. Summary of TPH Analytical Results for Groundwater for 2006
- A-5. Summary of Inorganic Analytical Results for Groundwater for 2006

Table A-1
Water Level Measurements for 2006 (1)(2)
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date	TOC (ft msl)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft msl)
MW-4	1/9/2006	1036.73	52.80	983.93
MW-4	4/3/2006	1036.73	51.40	985.33
MW-4	7/14/2006	1036.73	51.37	985.36
MW-4	8/14/2006	1039.49	51.36	988.13
MW-4	11/29/2006	1039.49	50.28	989.21
MW-5	1/9/2006	1035.44	51.10	984.34
MW-5	4/3/2006	1035.44	50.36	985.08
MW-5	7/14/2006	1035.44	49.89	985.55
MW-5	8/14/2006	1038.20	49.87	988.33
MW-5	11/29/2006	1038.20	48.95	989.25
MW-6	1/9/2006	1033.76	49.80	983.96
MW-6	4/3/2006	1033.76	49.19	984.57
MW-6	7/14/2006	1033.76	48.60	985.16
MW-6	8/14/2006	1036.55	48.56	987.99
MW-6	11/29/2006	1036.55	47.59	988.96
MW-7	1/9/2006	1033.80	50.70	983.10
MW-7	4/3/2006	1033.80	49.91	983.89
MW-7	7/14/2006	1033.80	49.46	984.34
MW-7	8/14/2006	1036.78	49.46	987.32
MW-7	11/29/2006	1036.78	48.50	988.28
MW-8	1/9/2006	1032.77	67.19	965.58
MW-8	4/3/2006	1032.77	66.83	965.94
MW-8	7/14/2006	1032.77	66.06	966.71
MW-8	8/14/2006	1035.55	66.11	969.44
MW-8	11/29/2006	1035.55	65.47	970.08
PIAS-10	1/9/2006	1038.31	53.89	984.42
PIAS-10	4/3/2006	1038.31	53.13	985.18
PIAS-10	7/14/2006	1038.31	52.59	985.72
PIAS-10	8/14/2006	1041.08	52.48	988.60
PIAS-10	11/29/2006	1041.08	51.52	989.56
PMW-9	1/9/2006	1033.16	49.38	983.78
PMW-9	4/3/2006	1033.16	48.79	984.37
PMW-9	7/14/2006	1033.16	48.31	984.85
PMW-9	8/14/2006	1035.91	48.18	987.73
PMW-9	11/29/2006	1035.91	47.27	988.64

Table A-1
Water Level Measurements for 2006 (1)(2)
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date	TOC (ft msl)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft msl)
PMW-10	1/9/2006	1038.51	54.23	984.28
PMW-10	4/3/2006	1038.51	53.50	985.01
PMW-10	7/14/2006	1038.51	53.01	985.50
PMW-10	8/14/2006	1041.67	52.90	988.77
PMW-10	11/29/2006	1041.67	51.91	989.76
PMW-11	1/9/2006	1038.10	53.64	984.46
PMW-11	4/3/2006	1038.10	52.90	985.20
PMW-11	7/14/2006	1038.10	52.35	985.75
PMW-11	8/14/2006	1040.87	52.26	988.61
PMW-11	11/29/2006	1040.87	51.21	989.66
PMW-12	1/9/2006	1043.04	58.20	984.84
PMW-12	4/3/2006	1043.04	57.70	985.34
PMW-12	7/14/2006	1043.04	57.24	985.80
PMW-12	8/14/2006	1045.81	57.07	988.74
PMW-12	11/29/2006	1045.81	56.04	989.77
PMW-13	1/9/2006	1030.45	66.92	963.53
PMW-13	4/3/2006	1030.45	66.40	964.05
PMW-13	7/14/2006	1030.45	65.95	964.50
PMW-13	8/14/2006	1033.29	65.87	967.42
PMW-13	11/29/2006	1033.29	65.43	967.86
PMW-14	1/9/2006	1035.42	69.55	965.87
PMW-14	4/3/2006	1035.42	69.97	965.45
PMW-14	7/14/2006	1035.42	68.55	966.87
PMW-14	8/14/2006	1038.20	68.32	969.88
PMW-14	11/29/2006	1038.20	67.88	970.32
PMW-15	1/9/2006	1037.49	70.16	967.33
PMW-15	4/3/2006	1037.49	69.59	967.90
PMW-15	7/14/2006	1037.49	68.97	968.52
PMW-15	8/14/2006	1040.23	68.90	971.33
PMW-15	11/29/2006	1040.23	68.34	971.89
PMW-19	1/9/2006	1026.59	62.35	964.24
PMW-19	4/3/2006	1026.59	61.80	964.79
PMW-19	7/14/2006	1026.59	61.23	965.36
PMW-19	8/14/2006	1029.46	61.15	968.31
PMW-19	11/29/2006	1029.46	60.71	968.75

Table A-1
Water Level Measurements for 2006 (1)(2)
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date	TOC (ft msl)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft msl)
PMW-20	1/9/2006	1031.75	65.50	966.25
PMW-20	4/3/2006	1031.75	NM	NM
PMW-20	7/14/2006	1031.75	64.32	967.43
PMW-20	8/14/2006	1034.61	64.25	970.36
PMW-20	11/29/2006	1034.61	63.74	970.87
PMW-21B	1/9/2006	1035.45	51.18	984.27
PMW-21B	4/3/2006	1035.45	50.47	984.98
PMW-21B	7/14/2006	1035.45	49.95	985.50
PMW-21B	8/14/2006	1038.19	49.85	988.34
PMW-21B	11/29/2006	1038.19	48.88	989.31
PMW-27	1/9/2006	1046.65	61.79	984.86
PMW-27	4/3/2006	1046.65	61.00	985.65
PMW-27	7/14/2006	1049.50	60.44	985.65
PMW-27	8/14/2006	1049.50	60.32	989.18
PMW-27	11/29/2006	1049.50	59.30	990.20
PMW-37	7/14/2006	1041.17	55.03	986.14
PMW-37	8/14/2006	1043.93	54.97	988.96
PMW-37	11/29/2006	1043.93	53.94	989.99
PMW-38	7/14/2006	1039.75	53.91	985.84
PMW-38	8/14/2006	1042.48	53.82	988.66
PMW-38	9/28/2006	1042.48	53.40	989.08
PMW-38	11/29/2006	1042.48	52.84	989.64

Abbreviations:

TOC - top of casing

ft msl - feet above mean sea level

Notes:

(1) This table presents water level data for 2006 only. Water level data is not presented for free hydrocarbon product wells MW-2, MW-3, and PMW-16 through PMW-18.

(2) Groundwater monitoring well locations and elevations were surveyed by Bill Carr Survey's, Inc., of Huntington Beach, California, a licensed Land Surveyor. Elevations shown for data collected prior to August 2006 are based on the National Vertical Geodetic Datum 1929, City of Los Angeles benchmark 03-0210, elevation 1034.033 feet. Elevations shown for data collected since August 2006 are based on the North American Vertical Datum 1988, City of Los Angeles benchmark 03-02101, elevation 1037.584 feet.

Table A-2
Summary of VOC Analytical Results for Groundwater for 2006
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date	Note	VOCs (µg/L) (1)(2)												Other VOCs
			PCE	1,1,1-TCA	TCE	cis-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA	Chloroform	Benzene	Toluene	Ethyl-benzene	Total Xylenes	
MW-4	1/10/2006		5.7	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
MW-4	4/3/2006		6.2	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
MW-4	8/15/2006		6.6	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
MW-5	1/10/2006		84	<1	7.2	5	<1	1.1	<0.5	<1	<0.5	<1	<1	<2	ND
MW-5	4/6/2006	DUP	64	<1	6.3	5.6	<1	1.1	<0.5	<1	<0.5	<1	<1	<2	ND
MW-5	4/6/2006		63	<1	6	5.5	<1	1.1	<0.5	<1	<0.5	<1	<1	<2	ND
MW-5	8/16/2006		49	<1	6.6	4.2	<1	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 13
MW-6	1/10/2006		15	<1	3	4.2	1.2	<1	<0.5	<1	<0.5	<1	<1	<2	ND
MW-6	4/3/2006		14	<1	2.5	3.5	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
MW-6	8/15/2006	DUP	9.3	<1	1.4	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
MW-6	8/15/2006		9.1	<1	1.1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
MW-7	1/10/2006		6.6	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
MW-7	4/3/2006		6.8	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 13
MW-7	8/15/2006		7	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
MW-8	1/10/2006		11	3.5	2.2	<1	1.5	1.6	<0.5	<1	<0.5	<1	<1	<2	ND
MW-8	4/4/2006		18	7.3	2.7	<1	2.3	2.7	<0.5	<1	<0.5	<1	<1	<2	ND
MW-8	8/15/2006		18	7.6	3.5	<1	2.2	3.9	<0.5	<1	<0.5	<1	<1	<2	ND
PIAS-10	1/9/2006		2.5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-9	1/11/2006	DUP	13	<1	8.6	2	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-9	1/11/2006		14	<1	8.8	1.9	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-9	4/4/2006	DUP	17	1.1	10	1.9	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-9	4/4/2006		16	1	10	2.4	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-9	8/15/2006		12	<1	8.4	1.5	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-10	1/10/2006		4.4	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-11	1/11/2006		64	<1	1.9	3.7	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-11	4/3/2006		48	<1	1.7	1.4	<1	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 12
PMW-11	8/15/2006		22	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-12	1/9/2006	DUP	1.3	<1	<1	<1	<1	<1	<0.5	2	<0.5	<1	<1	<2	ND
PMW-12	1/9/2006		1.3	<1	<1	<1	<1	<1	<0.5	1.9	<0.5	<1	<1	<2	ND
PMW-13	1/11/2006		50	1	8.3	12	1.2	1.5	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-13	4/4/2006		40	<1	6.9	9	1.8	1.1	<0.5	<1	<0.5	<1	<1	<2	ND

Table A-2
Summary of VOC Analytical Results for Groundwater for 2006
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date	Note	VOCs (µg/L) (1)(2)												Other VOCs
			PCE	1,1,1-TCA	TCE	cis-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA	Chloroform	Benzene	Toluene	Ethyl-benzene	Total Xylenes	
PMW-13	8/16/2006	DUP	28	<1	5.9	6.9	1.3	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 12
PMW-13	8/16/2006		29	<1	6.3	7.6	1.4	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 12
PMW-14	1/10/2006		8.9	2	2	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-14	4/6/2006		7.3	1.1	1.4	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-14	8/15/2006		8.3	<1	3.1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-15	1/10/2006	DUP	5.6	<1	<1	<1	<1	<1	<0.5	1.9	<0.5	<1	<1	<2	ND
PMW-15	1/10/2006		5.2	<1	<1	<1	<1	<1	<0.5	1.9	<0.5	<1	<1	<2	ND
PMW-15	4/3/2006	DUP	6.3	<1	<1	<1	<1	<1	<0.5	2.1	<0.5	<1	<1	<2	ND
PMW-15	4/3/2006		6.5	<1	<1	<1	<1	<1	<0.5	1.8	<0.5	<1	<1	<2	ND
PMW-15	8/15/2006		4.4	<1	<1	<1	<1	<1	<0.5	1.1	<0.5	<1	<1	<2	ND
PMW-19	1/9/2006		4.5	<1	2.2	<1	1.1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-19	8/14/2006		3.6	<1	2	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 12
PMW-20	1/9/2006		2.5	<1	1.2	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-20	8/14/2006	DUP	2	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 12
PMW-20	8/14/2006		2.1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 12
PMW-21B	1/10/2006		2.9	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-27	1/10/2006		18	1.2	4.4	<1	2.1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
PMW-37	8/16/2006		61	<1	1.9	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 13
PMW-38	8/16/2006		29	<1	7.1	6	2.4	1.1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 13
PMW-38	9/28/2006		32	1	9.5	5.7	2.6	1.1	<0.5	<1	<0.5	<1	<1	<2	ND
Blanks															
FB	1/10/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
FB	1/11/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
QCFB-1	1/9/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
QCFB-1	4/3/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
QCFB-1	8/14/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 15

Table A-2
Summary of VOC Analytical Results for Groundwater for 2006
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date	Note	VOCs (µg/L) (1)(2)												Other VOCs
			PCE	1,1,1-TCA	TCE	cis-1,2-DCE	1,1-DCE	1,1-DCA	1,2-DCA	Chloroform	Benzene	Toluene	Ethyl-benzene	Total Xylenes	
QCFB-2	4/4/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
QCFB-2	8/15/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
QCFB-3	4/6/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
QCFB-3	8/16/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 16
QCTB-1	1/9/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
QCTB-1	8/14/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 13
QCTB-2	4/4/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
QCTB-2	8/15/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
QCTB-3	4/6/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
QCTB-3	8/16/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	Methylene Chloride = 12
TB	1/10/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
TB	1/11/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND
TB-1	4/3/2006		<1	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<2	ND

Abbreviations:

< - Compound not detected at or above indicated laboratory detection limit
1,1,1-TCA - 1,1,1-trichloroethane
1,1-DCA - 1,1-dichloroethane
1,1-DCE - 1,1-dichloroethene
1,2-DCA - 1,2-dichloroethane
cis-1,2-DCE - cis-1,2-dichloroethene
"DUP" - duplicate sample
FB - Field blank

NA - Not analyzed
ND - Analyte not detected above its laboratory reporting limit
PCE - Tetrachloroethene
TB - Trip Blank
TCE - Trichloroethene
µg/L - Micrograms per liter
VOC - Volatile Organic Compounds

Notes:

- (1) Dedicated bladder pumps and tubing installed in Site wells were used to collect samples in accordance with low flow purging and sampling procedures described in U.S. EPA Ground Water Issue: Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures, dated December 1995, and U.S. EPA Region 9 Quick Reference Advisory - Use of Low-Flow Methods for Groundwater Purging and Sampling: An Overview, dated December 1995.
- (2) These samples were analyzed for VOCs using EPA Method 8260B. Analytes not shown were not detected at or above laboratory reporting limits. No analyses for VOCs were performed for the fourth quarter 2006.

Table A-3
Summary of Emergent Chemical Analytical Results for Groundwater for 2006
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Area Well	Date	Emergent Chemicals (µg/L) (1)(2)			
		1,4-Dioxane	NDEA	Perchlorate	1,2,3-Trichloropropane (SRL 524M)
MW-4	1/10/2006	<2	NA	<2	<0.005
MW-4	4/3/2006	<2	<0.002	<2	<0.005
MW-4	8/15/2006	<2	NA	NA	NA
MW-5	1/10/2006	21	NA	2.1	<0.005
MW-5	4/6/2006	61	<0.002	<2	<0.005
MW-5	8/16/2006	200	<0.002	NA	NA
MW-6	1/10/2006	4.6	NA	<2	<0.005
MW-6	4/3/2006	<2	<0.002	<2	<0.005
MW-7	1/10/2006	96	NA	<2	<0.005
MW-7	4/3/2006	25	<0.002	<2	<0.005
MW-7	8/15/2006	11	<0.002	NA	NA
MW-8	1/10/2006	<2	NA	<2	<0.005
MW-8	4/4/2006	13	<0.002	<2	<0.005
MW-8	8/15/2006	7.8	<0.002	NA	NA
PIAS-10	1/9/2006	<2	NA	<2	<0.005
PMW-9	1/11/2006	<2	NA	<2	0.0072
PMW-9	4/4/2006	2.1	<0.002	<2	<0.005
PMW-9	8/15/2006	<2	NA	NA	NA
PMW-10	1/10/2006	2.7	NA	<2	<0.005
PMW-11	1/11/2006	21	NA	<2	<0.005
PMW-11	4/3/2006	6.7	<0.002	<2	<0.005
PMW-11	8/15/2006	<2	NA	NA	NA

Table A-3
Summary of Emergent Chemical Analytical Results for Groundwater for 2006
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Area Well	Date	Emergent Chemicals (µg/L) (1)(2)			
		1,4-Dioxane	NDEA	Perchlorate	1,2,3-Trichloropropane (SRL 524M)
PMW-12	1/9/2006	<2	NA	2.1	<0.005
PMW-13	1/11/2006	11	NA	<2	0.0075
PMW-13	4/4/2006	15	<0.002	<2	<0.005
PMW-13	8/16/2006	12	<0.002	NA	<0.005
PMW-14	1/10/2006	2.7	NA	<2	<0.005
PMW-14	4/6/2006	<2	<0.002	<2	<0.005
PMW-14	8/15/2006	<2	<0.002	NA	NA
PMW-15	1/10/2006	4.9	NA	<2	<0.005
PMW-15	4/3/2006	9.7	<0.002	<2	<0.005
PMW-15	8/15/2006	9.7	NA	NA	NA
PMW-19	1/9/2006	<2	NA	<2	<0.005
PMW-19	8/14/2006	<2	NA	NA	NA
PMW-20	1/9/2006	<2	NA	<2	<0.005
PMW-20	8/14/2006	<2	NA	NA	NA
PMW-21B	1/10/2006	<2	NA	<2	<0.005
PMW-27	1/10/2006	2.3	NA	<2	<0.005
PMW-37	8/16/2006	17	<0.002	NA	NA
PMW-38	8/16/2006	320	<0.002	NA	NA
PMW-38	9/28/2006	220	NA	NA	NA

Table A-3
Summary of Emergent Chemical Analytical Results for Groundwater for 2006
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Abbreviations:

< - Compound not detected at or above indicated laboratory detection limit

GC/MS - Gas Chromatography/Mass Spectroscopy

NA - Not analyzed

NDEA - Nitrosodiethylamine

µg/L - Micrograms per liter

Notes:

(1) Dedicated bladder pumps and tubing installed in Site wells were used to collect samples in accordance with low flow purging and sampling procedures described in U.S. EPA Ground Water Issue: Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures, dated December 1995, and U.S. EPA Region 9 Quick Reference Advisory - Use of Low-Flow Methods for Groundwater Purging and Sampling: An Overview, dated December 1995.

(2) 1,4-dioxane was analyzed using EPA Method 8270C(m) with isotope dilution; NDEA was analyzed using EPA Method 521; perchlorate was analyzed using EPA Method 314.0; and 1,2,3-trichloropropane was analyzed using SRL 524M-TCP, previously referred to as a GC/MS Low-Level method. No analyses for emergent chemicals were performed during the fourth quarter 2006.

Table A-4
Summary of TPH Analytical Results for Groundwater for 2006
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date	TEPH (µg/L) (1)(2)
MW-4	1/10/2006	<50
MW-4	4/3/2006	56
MW-4	8/15/2006	52
MW-5	1/10/2006	200
MW-5	4/6/2006	380
MW-5	8/16/2006	540
MW-6	1/10/2006	<50
MW-6	4/3/2006	56
MW-6	8/15/2006	<50
MW-7	1/10/2006	<50
MW-7	4/3/2006	55
MW-7	8/15/2006	<50
MW-8	1/10/2006	58
MW-8	4/4/2006	620
MW-8	8/15/2006	310
PMW-13	8/16/2006	150
PMW-14	1/10/2006	50
PMW-14	4/6/2006	51
PMW-14	8/15/2006	80
PMW-19	8/14/2006	86
PMW-20	8/14/2006	69
PMW-38	8/16/2006	120

Abbreviations:

< - Compound not detected at or above indicated laboratory detection limit

TEPH - Total extractable petroleum hydrocarbons

µg/L - Micrograms per liter

Notes:

(1) Dedicated bladder pumps and tubing installed in Site wells were used to collect samples in accordance with low flow purging and sampling procedures described in U.S. EPA Ground Water Issue: Low Flow (Minimal Drawdown) Ground-Water Sampling Procedures, dated December 1995, and U.S. EPA Region 9 Quick Reference Advisory - Use of Low-Flow Methods for Groundwater Purging and Sampling: An Overview, dated December 1995.

(2) Samples were analyzed for TEPH using EPA Method 8015M with silica gel cleanup.

Table A-5
Summary of Inorganic Analytical Results for Groundwater for 2006
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date	Note	Inorganic Compounds (µg/L) (1)(2)																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-4	1/10/2006		<1	0.866	196	<1	<1	<1	1.1	<1	1.01	<1	<0.5	1.92	3.79	1.01	<1	<1	2.28	11.7
MW-4	4/3/2006		<1	<0.5	192	<1	<1	<1	1.2	<1	<1	<1	<0.5	1.9	2.6	<1	<1	<1	1.8	21.4
MW-4	8/15/2006		NA	NA	NA	NA	NA	1.2	1.2	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	11/29/2006		NA	NA	NA	NA	NA	<1	1.7	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	1/10/2006		<1	0.818	151	<1	<1	<1	0.76	<1	1.84	<1	<0.5	1.01	4.44	1.27	<1	<1	1.64	12.8
MW-5	4/6/2006	DUP	<1	0.6	125	<1	<1	<1	0.24	1.3	<1	<1	<0.5	<1	2.4	<1	<1	<1	1.1	13.5
MW-5	4/6/2006		<1	0.5	125	<1	<1	<1	0.26	1.3	1.1	<1	<0.5	<1	4.1	<1	<1	<1	1.2	14.1
MW-5	8/16/2006		NA	NA	NA	NA	NA	<1	0.22	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	11/30/2006		NA	NA	NA	NA	NA	<1	<0.2	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	1/10/2006		<1	<0.5	340	<1	<1	764	740	3.86	1.44	<1	<0.5	1.55	7.19	1.88	<1	<1	<1	20.9
MW-6	1/31/2006		NA	NA	NA	NA	NA	711	780	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	1/31/2006	DUP	NA	NA	NA	NA	NA	743	775	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	4/3/2006		<1	<0.5	255	<1	<1	435	520	1.5	<1	<1	<0.5	1.6	6.4	<1	<1	<1	5	11.6
MW-6	8/15/2006	DUP	NA	NA	NA	NA	NA	129	120	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	8/15/2006		NA	NA	NA	NA	NA	132	130	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	11/29/2006		NA	NA	NA	NA	NA	36	34	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	11/30/2006		NA	NA	NA	NA	NA	37.4	33	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	1/10/2006		<1	0.9	200	<1	<1	2.09	2.1	<1	1.1	<1	<0.5	2.15	3.61	1.01	<1	<1	2.37	21.8
MW-7	4/3/2006		<1	<0.5	206	<1	<1	<1	2.5	<1	<1	<1	<0.5	2.2	2.4	<1	<1	<1	1.8	21.3
MW-7	8/15/2006		NA	NA	NA	NA	NA	3.2	2.6	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	11/30/2006		NA	NA	NA	NA	NA	1.6	3	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	1/10/2006		<1	0.505	209	<1	<1	<1	0.83	1.88	1.2	<1	<0.5	1.21	5.11	<1	<1	<1	2.03	11.4
MW-8	4/4/2006		<1	1.2	217	<1	<1	<1	0.75	3.1	1.4	<1	<0.5	<1	8.8	<1	<1	<1	1.4	10.9
MW-8	8/15/2006		NA	NA	NA	NA	NA	1.1	0.35	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	11/30/2006		NA	NA	NA	NA	NA	<1	0.21	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PIAS-10	1/9/2006		<1	<0.5	182	<1	<1	<1	0.82	<1	1.53	<1	<0.5	1.67	3.45	<1	<1	<1	2.44	14.1
PMW-9	1/11/2006	DUP	<1	0.567	258	<1	<1	3.05	3.4	<1	<1	<1	<0.5	1.33	3.08	1.29	<1	<1	2.01	11.4
PMW-9	1/11/2006		<1	0.622	262	<1	<1	3.09	3.4	<1	1.08	<1	<0.5	1.36	3.72	<1	<1	<1	2.12	17.1
PMW-9	4/4/2006	DUP	<1	1.5	270	<1	<1	1.4	3.4	<1	<1	<1	<0.5	<1	3.7	<1	<1	<1	1.4	9.7
PMW-9	4/4/2006		<1	1.5	272	<1	<1	1.1	2.9	<1	<1	<1	<0.5	<1	4.4	<1	<1	<1	1.5	11.4
PMW-9	8/15/2006		NA	NA	NA	NA	NA	2.7	2.1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-9	11/30/2006	DUP-2	NA	NA	NA	NA	NA	<1	2	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Inorganic Analytical Results for Groundwater for 2006
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date	Note	Inorganic Compounds (µg/L) (1)(2)																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
PMW-9	11/30/2006		NA	NA	NA	NA	NA	<1	1.9	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-10	1/10/2006		<1	0.562	185	<1	<1	<1	0.85	<1	1.2	<1	<0.5	1.71	3.86	<1	<1	<1	2.2	12.1
PMW-11	1/11/2006		<1	1.07	116	<1	<1	1.24	1.5	<1	<1	<1	<0.5	3.25	7.98	2.93	<1	<1	2.12	7.86
PMW-11	4/3/2006		<1	<0.5	125	<1	<1	<1	1.3	<1	<1	<1	<0.5	3.4	6.2	<1	<1	<1	1.8	14.7
PMW-12	1/9/2006	DUP	<1	<0.5	227	<1	<1	<1	0.59	<1	1.19	<1	<0.5	1.24	5.32	1.12	<1	<1	2.47	25.5
PMW-12	1/9/2006		<1	<0.5	224	<1	<1	<1	0.59	<1	<1	<1	<0.5	1.23	3.38	<1	<1	<1	2.37	12.7
PMW-13	1/11/2006		<1	<0.5	288	<1	<1	80.6	83	1.32	1.18	<1	<0.5	1.5	6.07	1.54	<1	<1	1.12	11.3
PMW-13	1/31/2006		NA	NA	NA	NA	NA	87.3	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PMW-13	1/31/2006	DUP	NA	NA	NA	NA	NA	97.5	109	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PMW-13	4/4/2006		<1	1.8	308	<1	<1	138	190	1.2	<1	<1	<0.5	1.8	8.6	2	<1	<1	2.1	11.3
PMW-13	8/16/2006	DUP	NA	NA	NA	NA	NA	182	180	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-13	8/16/2006		NA	NA	NA	NA	NA	184	180	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-13	11/29/2006		NA	NA	NA	NA	NA	<1	180	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-14	1/10/2006		<1	<0.5	221	<1	<1	<1	0.81	<1	<1	<1	<0.5	<1	4.12	1.06	<1	<1	1.88	10.7
PMW-14	4/6/2006		<1	0.6	213	<1	<1	<1	0.92	<1	<1	<1	<0.5	<1	3.2	<1	<1	<1	1.2	22.5
PMW-14	8/15/2006		NA	NA	NA	NA	NA	<1	0.68	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-14	11/30/2006		NA	NA	NA	NA	NA	<1	1.1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-15	1/10/2006	DUP	<1	<0.5	184	<1	<1	<1	0.48	<1	<1	<1	<0.5	1.68	3.69	1.21	<1	<1	1.93	16.6
PMW-15	1/10/2006		<1	0.845	185	<1	<1	<1	0.51	<1	<1	<1	<0.5	1.73	3.16	1.49	<1	<1	2.24	7.13
PMW-15	4/3/2006	DUP	<1	0.5	195	<1	<1	<1	0.51	<1	<1	<1	<0.5	1.8	2.4	1.1	<1	<1	1.4	14.4
PMW-15	4/3/2006		<1	<0.5	191	<1	<1	<1	0.5	<1	<1	<1	<0.5	1.8	2.4	<1	<1	<1	1.7	17.2
PMW-19	1/9/2006		<1	<0.5	145	<1	<1	<1	0.49	<1	<1	<1	<0.5	1.9	2.89	<1	<1	<1	2.61	10.7
PMW-19	8/14/2006		NA	NA	NA	NA	NA	<1	0.47	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-19	11/29/2006		NA	NA	NA	NA	NA	<1	1.6	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-20	1/9/2006		<1	<0.5	172	<1	<1	<1	0.52	<1	<1	<1	<0.5	1.53	3.23	<1	<1	<1	2.46	9.03
PMW-20	8/14/2006	DUP	NA	NA	NA	NA	NA	<1	0.46	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-20	8/14/2006		NA	NA	NA	NA	NA	<1	0.44	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-20	11/29/2006	DUP	NA	NA	NA	NA	NA	<1	0.49	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-20	11/29/2006		NA	NA	NA	NA	NA	1.9	0.74	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-21B	1/10/2006		<1	<0.5	229	<1	<1	2.7	3.3	<1	<1	<1	<0.5	1.49	3.68	<1	<1	<1	2.58	10.4
PMW-27	1/10/2006		<1	0.613	193	<1	<1	1.38	1.9	<1	1.19	<1	<0.5	1.01	5.15	1.08	<1	<1	1.89	12.3

Table A-5
Summary of Inorganic Analytical Results for Groundwater for 2006
Former Price Pfister, Inc., 13500 Paxton Street, Pacoima, California

Well	Date	Note	Inorganic Compounds (µg/L) (1)(2)																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
PMW-38	8/16/2006		NA	NA	NA	NA	NA	1,610	1,800	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-38	9/28/2006		NA	NA	NA	NA	NA	2,110	1,850	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PMW-38	11/29/2006		NA	NA	NA	NA	NA	2,120	1,800	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
PMW-38	11/30/2006		NA	NA	NA	NA	NA	1,780	1,400	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
Blanks																				
QCEB Filter-1	1/9/2006		<1	<0.5	<1	<1	<1	<1	NA	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	6.96
QCEB Filter-1	4/3/2006		<1	<0.5	<1	<1	<1	<1	NA	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	10.3
QCEB Filter-1	8/14/2006		NA	NA	NA	NA	NA	<1	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
QCEB Filter-1	11/29/2006		NA	NA	NA	NA	NA	<1	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
QCEB Filter-2	1/10/2006		<1	0.542	<1	<1	<1	<1	NA	<1	<1	<1	<0.5	<1	1.49	<1	<1	<1	<1	<5
QCEB Filter-2	4/4/2006		<1	<0.5	<1	<1	<1	<1	NA	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<5
QCEB Filter-2	8/15/2006		NA	NA	NA	NA	NA	<1	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
QCEB Filter-2	11/30/2006		NA	NA	NA	NA	NA	<1	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA
QCEB Filter-3	1/11/2006		<1	<0.5	<1	<1	<1	<1	NA	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	7.13
QCEB Filter-3	8/16/2006		NA	NA	NA	NA	NA	<1	NA	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA

Abbreviations:

< - Compound not detected at or above indicated laboratory detection limit

"DUP" - duplicate sample

EB - Equipment Blanks

ICP/MS - Inductively coupled plasma/mass spectroscopy

µg/L - Micrograms per liter

Notes:

(1) Dedicated bladder pumps and tubing installed in Site wells were used to collect samples in accordance with low flow purging and sampling procedures described in U.S. EPA Ground Water Issue: Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures, dated December 1995, and U.S. EPA Region 9 Quick Reference Advisory - Use of Low-Flow Methods for Groundwater Purging and Sampling: An Overview, dated December 1995.

(2) These samples were analyzed for total metals by ICP/MS using EPA Method 200.8, for hexavalent chromium using EPA Method 218.6, and for mercury using 245.1.

APPENDIX B

WELL GAUGING AND PURGE FORMS

WELL GAUGING DATA

1 of 2

Project # 061129-MA1 Date 11/29/06 Client EKISite ~~Prca~~ Pfister 13500 Paxton St Pacoma

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-4	1205	4					50.28		TOC	
MW-5	0852	4					48.95			
MW-6	0941	4					47.59			
MW-7	0954	4					48.50			
MW-8	0815	4					65.47			
PIAS-10	1130	2					51.52			
PMW-9	1109	2					47.27			
PMW-10	1210	2					51.91			
PMW-11	1136	2					51.21			
PMW-12	1143	2					56.04			
PMW-13	1114	2					65.43			
PMW-14	0903	4					67.88			
PMW-15	1159	2					68.34			
PMW-19	0754	4					60.71			
PMW-20	0748	4					63.74			
PMW-21B	0856	4					48.88			
PMW-27	0824	2					59.30		↓	

2 of 2

Site Price Pfister 13500 Paxton St. Pacoima

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

LOW FLOW WELL MONITORING DATA SHEET

Project #: 061129-MA1	Client: EKI
Sampler: MA	Start Date: 11/29/06
Well I.D.: MW-4	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth:	Depth to Water 50.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump (QED)
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 500 mL/min Pump Depth: _____

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	DTW
1453	21.20	6.95	829	3	4.75	15.6	1,500	50.30
1456	21.02	6.94	832	3	4.92	9.1	3,000	50.31
1459	21.05	6.94	833	2	4.93	9.0	4,500	50.30
1502	21.04	6.93	833	2	4.95	9.5	6,000	50.30

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 6 L
Sampling Time: 1512	Sampling Date: 11/29/06
Sample I.D.: MW-4	Laboratory: Cal/science
Analyzed for: TPH-G BTEX MTBE TPH-D	<u>Other</u> SET SCOPE
Equipment Blank I.D.: @	Duplicate I.D.: Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 061129-MA1	Client: EKI
Sampler: MA	Start Date: 11/30/06
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8
Total Well Depth:	Depth to Water 48.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: VSI 556

Purge Method: 2" Grundfos Pump

Peristaltic Pump

Bladder Pump (QED)

Sampling Method: Dedicated Tubing

New Tubing

Other

Flow Rate: 500 mL/min

Pump Depth:

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1008	21.39	6.57	818	6	0.52	38.4	1,500	48.97
1011	21.35	6.57	819	4	0.82	33.2	3,000	48.99
1014	21.31	6.55	819	4	0.89	30.4	4,500	48.99
1017	21.32	6.54	820	4	0.99	25.6	6,000	48.99
1020	21.34	6.54	819	3	0.91	23.1	7,500	48.99
1023	21.33	6.54	819	4	0.89	22.5	9,000	48.99
1026	21.33	6.54	819	3	0.87	22.1	10,500	48.98

Did well dewater? Yes (No)

Amount actually evacuated: 10,500

Sampling Time: 1036

Sampling Date: 11/30/06

Sample I.D.: MW-5

Laboratory: Cal/science

Analyzed for: TPH-G BTEX MTBE TPH-D

Other: SEE SCOPE

Equipment Blank I.D.: @ Time

Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 061129-MA1	Client: EKI
Sampler: M7	Start Date: 11/30/06
Well I.D.: MW-6	Well Diameter: 2 3 4 6 8
Total Well Depth:	Depth to Water 47.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump

Peristaltic Pump

Bladder Pump (QED)

Sampling Method: Dedicated Tubing

New Tubing

Other

Flow Rate: 500 mL/min

Pump Depth:

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
0823	20.87	6.90	920	4	3.11	72.5	1,500	47.61
0826	20.87	6.90	920	3	3.13	69.7	3,000	47.62
0829	20.88	6.90	920	3	3.11	69.3	4,500	47.62
0832	20.88	6.90	920	2	3.10	68.9	6,000	47.62

Did well dewater? Yes No

Amount actually evacuated: 6 L

Sampling Time: 0842

Sampling Date: 11/30/06

Sample I.D.: MW-6

Laboratory: Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D

Other: SEE SCOPE

Equipment Blank I.D.:

@

Time

Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 061129-WA1	Client: EKI
Sampler: WA	Start Date: 11/30/06
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8
Total Well Depth:	Depth to Water 48.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump

Peristaltic Pump

Bladder Pump (RED)

Sampling Method: Dedicated Tubing

New Tubing

Other

Flow Rate: 500 mL/min

Pump Depth:

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
0858	21.17	6.96	867	6	3.17	48.4	1,500	48.52
0901	21.14	6.95	867	4	3.17	47.0	3,000	48.53
0904	21.08	6.95	868	3	3.19	47.7	4,500	48.53
0907	21.15	6.95	865	3	3.20	48.6	6,000	48.54
0910	21.14	6.95	865	3	3.19	49.1	7,500	48.53

Did well dewater? Yes

(No)

Amount actually evacuated: 7.5 L

Sampling Time: 0920

Sampling Date: 11/30/06

Sample I.D.: MW-7

Laboratory: Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D

Other: SEE SCOPE

Equipment Blank I.D.:

@

Time

Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 061129-M41	Client: EKI
Sampler: AA	Start Date: 11/30/06
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8
Total Well Depth:	Depth to Water Pre: 65.47 Post: 65.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump

Peristaltic Pump

Bladder Pump (RED)

Sampling Method: Dedicated Tubing

New Tubing

Other

Flow Rate: 500 mL/min

Pump Depth:

Time	Temp. (C or F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1204	22.22	6.55	914	4	0.46	-15.1	1,500	65.49
1207	22.16	6.54	915	4	0.63	-24.5	3,000	65.51
1210	22.08	6.56	917	3	0.96	-29.1	4,500	65.50
1213	21.99	6.56	917	2	0.85	-30.0	6,000	65.50
1216	21.97	6.55	918	3	0.83	-29.8	7,500	65.50
1219	21.97	6.55	918	2	0.81	-30.3	9,000	65.50

Did well dewater? Yes (No)

Amount actually evacuated: 9L

Sampling Time: 1229

Sampling Date: 11/30/06

Sample I.D.: MW-8

Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D

Other: SEE SCOPE

Equipment Blank I.D.:

@

Time

Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 061129-MA1	Client: EKI
Sampler: MA	Start Date: 11/30/06
Well I.D.: PMW-9	Well Diameter: (2) 3 4 6 8
Total Well Depth:	Depth to Water 47.27
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump

Peristaltic Pump

Bladder Pump (QED)

Sampling Method: Dedicated Tubing

New Tubing

Other

Flow Rate: 500 mL/min

Pump Depth:

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
0747	20.66	6.82	932	8	3.58	142.0	1,500	47.28
0750	20.68	6.80	933	5	3.58	128.9	3,000	47.29
0753	20.69	6.80	933	4	3.56	119.8	4,500	47.28
0756	20.70	6.79	933	4	3.55	119.3	6,000	47.28
0759	20.70	6.80	933	3	3.56	118.6	7,500	47.29

Did well dewater? Yes (No) Amount actually evacuated: 7.5 L

Sampling Time: 0809 Sampling Date: 11/30/06

Sample I.D.: PMW-9 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE SCOPE

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP-2

Her Blank: QCEB Filter - 2 @ 0730

LOW FLOW WELL MONITORING DATA SHEET

Project #: 061129 - MA1	Client: EKI
Sampler: MA	Start Date: 11/29/06
Well I.D.: PMW-13	Well Diameter: 2 3 4 6 8
Total Well Depth:	Depth to Water 65.43
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump (QED)
 Sampling Method: Dedicated Tubing New Tubing Other
 Flow Rate: 500 ml/min Pump Depth:

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1531	21.24	6.89	1077	7	3.55	-11.1	1,500	65.46
1534	21.09	6.85	1064	5	3.51	-4.9	3,000	65.47
1537	21.04	6.84	1061	5	3.52	1.2	4,500	65.46
1540	21.02	6.83	1059	4	3.36	1.4	6,000	65.46
1543	20.99	6.83	1058	4	3.35	1.6	7,500	65.46

Did well dewater? Yes (No)	Amount actually evacuated: 7.5 L
Sampling Time: 1553	Sampling Date: 11/29/06
Sample I.D.: PMW-13	Laboratory: Cal/science
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE SCOPE
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 061129-MA1	Client: EKI
Sampler: MA	Start Date: 11/30/06
Well I.D.: PMW-14	Well Diameter: 2 3 (4) 6 8
Total Well Depth:	Depth to Water 67.88
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump

Peristaltic Pump

Bladder Pump (QED)

Sampling Method: Dedicated Tubing

New Tubing

Other

Flow Rate: 500 mL/min

Pump Depth:

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
0933	21.42	6.62	774	4	1.82	38.6	1,500	67.89
0936	21.34	6.61	774	4	1.56	32.8	3,000	67.90
0939	21.35	6.61	773	3	1.55	31.6	4,500	67.90
0942	21.35	6.61	773	4	1.53	31.0	6,000	67.90
0945	21.35	6.61	772	3	1.53	30.5	7,500	67.90

Did well dewater? Yes ☒ No

Amount actually evacuated: 7.5 L

Sampling Time: 0955

Sampling Date: 11/30/06

Sample I.D.: PMW-14

Laboratory: Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D

Other: SEE SCOPE

Equipment Blank I.D.: @ Time

Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 061129-MA1	Client: EKI
Sampler: MA	Start Date: 11/29/06
Well I.D.: PMW-19	Well Diameter: 2 3 4 6 8
Total Well Depth:	Depth to Water 60.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: VSE 556

Purge Method: 2" Grundfos Pump
 Sampling Method: Dedicated Tubing

Peristaltic Pump
 New Tubing

Bladder Pump (QED)
 Other

Flow Rate: 500 mL/min

Pump Depth:

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1419	20.12	7.01	689	4	6.01	20.2	1,500	60.77
1422	19.85	7.00	689	2	5.42	24.5	3,000	60.78
1425	19.86	6.99	689	2	5.35	25.7	4,500	60.80
1428	19.85	6.99	689	1	5.39	26.4	6,000	60.79
1431	19.85	6.99	689	2	5.40	26.9	7,500	60.79

Did well dewater? Yes No

Amount actually evacuated: 7.5 L

Sampling Time: 1441

Sampling Date: 11/29/06

Sample I.D.: PMW-19

Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D

Other: SEE SCOPE

Equipment Blank I.D.: @ Time

Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 061129-WA1	Client: EKI WPA
Sampler: WA	Start Date: 11/29/06
Well I.D.: PMW-20	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth:	Depth to Water 63.74
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump

Peristaltic Pump

Bladder Pump (RED)

Sampling Method: Dedicated Tubing

New Tubing

Other

Flow Rate: 500 mL/min

Pump Depth:

Time	Temp. (C or F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1323	20.25	7.04	804	2	5.85	-36.4	1,500	63.75
1326	20.20	7.01	806	1	5.85	-34.9	3,000	63.76
1329	20.20	6.98	806	1	5.81	-25.6	4,500	63.79
1332	20.19	6.99	805	1	5.86	-19.9	6,000	63.80
1335	20.19	6.99	804	1	5.84	-17.2	7,500	63.81
1338	20.18	6.98	805	2	5.33	-9.0	9,000	63.80
1341	20.18	6.98	805	1	5.83	-8.0	10,500	63.80
1344	20.18	6.98	806	2	5.82	-6.9	12,000	63.80
1347	20.19	6.98	805	2	5.83	-6.7	13,500	63.79
1350	20.19	6.98	805	2	5.83	-6.5	15,000	63.79

Did well dewater? Yes No

Amount actually evacuated: 1350

Sampling Time: 1400

Sampling Date: 11/29/06

Sample I.D.: PMW-20

Laboratory: C9/science

Analyzed for: TPH-G BTEX MTBE TPH-D

Other: SEE SCOPE

Equipment Blank I.D.:

@

Time

Duplicate I.D.: Dup - 1

FILTER BLANK: QCEB Filter - 1 @ 1315

LOW FLOW WELL MONITORING DATA SHEET

Project #: 061129-MA1	Client: EKI
Sampler: MA	Start Date: 11/30/06
Well I.D.: PMW-38	Well Diameter: (2) 3 4 6 8
Total Well Depth:	Depth to Water 52.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump
 Sampling Method: Dedicated Tubing
 Flow Rate: 500 mL/min

Peristaltic Pump
 New Tubing
 Pump Depth:

Bladder Pump (QED)
 Other

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1053	21.35	6.84	1597	16	6.13	26.3	1,500	52.87
1056	21.31	6.79	1591	10	6.06	31.2	3,000	52.88
1059	21.30	6.78	1572	8	5.99	34.4	4,500	52.88
1102	21.31	6.78	1570	7	5.89	35.0	6,000	52.87
1105	21.30	6.78	1568	7	5.86	35.5	7,500	52.88

Did well dewater? Yes (No)	Amount actually evacuated: 7.5 L
Sampling Time: 1115	Sampling Date: 11/30/06
Sample I.D.: PMW-38	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE SCOPE
Equipment Blank I.D.: @	Duplicate I.D.:

CONSULTING ENGINEERS AND SCIENTISTS

1870 Ogden Drive, Burlingame CA 94010

PHONE: 650-292-9100

FAX: 650-552-9012

Project Name Price Pfister		Project No. A20034.03 Task 4				ANALYSES REQUESTED										EKI COC No.	
Project Location 13500 Paxton Street, Pacoima, CA		Sampled By: MATT ANONSEN				VOCs (EPA 8260B)	TEPH w/silica gel cleanup (EPA 8015M)	Chromium and Lead (Title 22) (EPA 200.6) *	Hexavalent Chromium (EPA 218.6)	Low level 1,2,3-TCP (SRL 524M-TCP)	1,4-Dioxane (EPA 8270 Isotopes Dilution)	NDEA (EPA 521)	HOLD	EXPECTED TURNAROUND	Remarks		
Report Results to: Please send EDD and EDF to Meg Mendoza at: mmendoza@ekiconsult.com		Laboratory: CalScience Environmental, Virendra Patel 7440 Lincoln Way, Garden Grove, CA 92841 Phone: (714) 895-5494 FAX: (714) 894-7501															
Field Sample Identification	Lab Sample No.	Date	Time	Type of Sample	No./Type of Containers												
QCEB Filter - 2		11/30/06	0730	W	1/250 mL HNO ₃ Poly			X						STD			
PMW-9			0809		2/250 mL Poly 1-NP 1 HNO ₃			X	X								
DUP-2								X	X								
MW-6			0842					X	X								
MW-7			0920					X	X								
PMW-14			0955					X	X								
MW-5			1036					X	X								
PMW-38			1115					X	X								
MW-8			1229					X	X								
Special Instructions/Notes: *Samples submitted for these analyses were filtered in the field.																	
Relinquished by: (Signature/Affiliation)		Date		Time		Received by: (Signature/Affiliation)											
Relinquished by: (Signature/Affiliation)		Date		Time		Received by: (Signature/Affiliation)											
Relinquished by: (Signature/Affiliation)		Date		Time		Received by: (Signature/Affiliation)											

WELLHEAD INSPECTION CHECKLIST

Page 1 of 2

Client EKI @ Price Pfister

Date 11/29/06

Site Address 13500 Paxton St Pacoma

Job Number 061129-M41

Technician MT

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12" or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12" or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-4	✓	✓	✓							
MW-5	✓	✓	✓							
MW-6	✓	✓	✓							
MW-7	✓	✓	✓							
MW-8	✓	✓	✓							
PIAS-10	✓	✓	✓							
PMW-9	✓	✓	✓							
PMW-10	✓	✓	✓							
PMW-11	✓	✓	✓							
PMW-12	✓	✓	✓							
PMW-13	✓	✓	✓							
PMW-14	✓	✓	✓							
PMW-15	✓	✓	✓							
PMW-19	✗ MA	✗ MA	✓							✓
PMW-20	✗ MA	✗ MA	✓							✓
PMW-21B	✓	✓	✓							

NOTES: PMW-19 - NO BOLTS

PMW-20 - NO BOLTS

Page 2 of 2

Date 11/29/06

Job Number 061129-MA1

Technician *mf*

[illegible]

NOTES:

TEST EQUIPMENT CALIBRATION LOG

[illegible]

APPENDIX C

ANALYTICAL LABORATORY REPORTS FOR GROUNDWATER AND SOIL VAPOR (CD-ROM)

CD-ROM contains electronic files of analytical laboratory reports for groundwater and soil vapor samples collected during the fourth quarter of 2006.

APPENDIX D

QUALITY ASSURANCE/QUALITY CONTROL RESULTS

QUALITY ASSURANCE/QUALITY CONTROL RESULTS

Quality Assurance/Quality Control ("QA/QC") measures for groundwater and soil vapor sampling include the collection of field quality control samples and laboratory QA/QC measures. QA/QC measures and results are presented below.

D-1 Field Quality Control Sample Results for Groundwater

Several field quality control samples were collected and analyzed during the fourth quarter 2006 groundwater monitoring event, including duplicates, field blanks, and filter blanks. Results of chemical analyses of field quality control samples are included in Table 3. Laboratory reports prepared by Calscience are provided in Appendix C.

D-1-1 Duplicate Samples

Duplicate samples were collected in series from the same well using the same sampling method, and were submitted "blind" (location of the sample collected was not known to the laboratory) to the laboratory for chemical analyses. One duplicate sample was collected on each day of sampling (29 and 30 November 2006). Duplicate groundwater samples were collected from wells MW-9 and PMW-20. Duplicate samples were analyzed for chromium, hexavalent chromium and lead.

A comparison of duplicate sample chemical concentrations indicates that all were within acceptable ranges.

D-1-2 Filter Blanks

Filter blanks were collected in the field using deionized water supplied by the analytical laboratory and pumped through a clean, unused filter. Filter blanks (samples QCEB Filter-1 and QCEB Filter-2) were collected on each day of sampling and were analyzed for chromium, and lead (see Table 3). Neither chromium nor lead were detected in the filter samples.

D-2 Laboratory QA/QC Samples for Groundwater

Laboratory QA/QC measures include analysis of both batch check samples and individual check samples. The batch check samples include Method Blanks, Matrix Spike and Matrix Spike Duplicates ("MS/MSD"), and Laboratory Control Samples ("LCS"). The only individual sample QC check is analysis for Surrogate Recovery. Sample Hold Time is also a QC measure applicable to every sample.

Laboratory QC measures for the fourth quarter 2006 groundwater analytical results are summarized below.

All samples were analyzed within the acceptable holding time.

MS/MSD sample pair results analyzed by Calscience were within the control limits for all compounds.

LCS/LCSD sample pair results were within acceptable analytical laboratory control limits.

D-3 Field Quality Control Sample Results for Soil Vapor

Duplicate soil vapor samples were collected from the undiluted blower influent on 1 November and 28 November 2006 (see Table 4). A comparison of duplicate sample chemical concentrations indicates that the 28 November 2006 samples were within an acceptable range. The PCE concentrations for the 1 November 2006 blower influent samples were 2.5 and 0.14 ug/L. This difference is attributed to a possible leak at the sample port while one of the samples was being collected.

Duplicate soil vapor samples were collected from select site vapor monitoring wells on 6 October 2006; 28 November 2006; and 29 November 2006 (see Table 8). A comparison of duplicate sample chemical concentrations analyzed using the same analytical method indicates that all were within acceptable ranges.

D-4 Laboratory QA/QC Samples for Soil Vapor

Standard laboratory QA/QC procedures used for the project included analyses of Method Blanks, Matrix Spike and Matrix Spike Duplicates ("MS/MSD"), and Laboratory Control Samples ("LCS") and analyses of surrogate recovery. No analytes were detected in the method blank samples for this project. MS/MSD and surrogate recovery samples were within acceptable analytical laboratory control limits. The relative percentage differences ("RPDs") of the laboratory control sample duplicates were within acceptable ranges, with the exception of only one parameter (carbon tetrachloride) in one laboratory control sample duplicate (LCS/LCSD batch number 061203L01). The percent recovery for this parameter was out of range by only 1% and is not considered significant. Laboratory QA/QC results are provided with the laboratory reports included in Appendix C.

APPENDIX E

**VAPOR EXTRACTION SYSTEM
FIELD AND MONITORING REPORTS**

Drewelow Remediation Equipment, Inc.

A MINORITY WOMAN OWNED, CERTIFIED SMALL BUSINESS ENTERPRISE
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REAL PROJECT SOLUTIONS®

Oil Staging Area Vapor Extraction Report

Site Address	13500 Paxton Street Pacoima CA	VES location	Near Oil Staging area
Date	10/06/2006	Arrival time	10:30
Client Project Manager	Meg Mendoza	Departure time	12:45
DE Project Engineer	David Drewelow		
DE Project Manager	Mark Drewelow		
DE Specialist 1	Dominic Koorn		
Run time percentage	Run hours	Today's hours	Last visit hours
Time taken:	198	17387	17189
AQMD Permit #	F62841	Startup date	8/15/06
Equipment type	DE250	Serial number	DE-52
Routine O&M	Yes		
Non Routine O&M	No		
Parts needed	No		
Parts installed	No		
55 gallon DOT drums in treatment compound	N/A		
Carbon Vessels Positions	Lead: DE-67	Lag: DE-68	Static:

VES Operating Data Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

	ARRIVAL	DEPARTURE
Time	10:30	12:45
VES Operating	Yes	Yes
Undiluted influent – ppm (HEX/ISO)	0.0/0.0	0.0/0.5
Diluted influent ppm – (HEX/ISO) maximum diluted influent concentration 5000 ppmv as hexane, per AQMD permit condition 11 and 12.	0.0/0.0	0.0/0.5
Adding dilution air (yes/no)	No	No
Dilution air valve closed x turns	10	10
Vacuum at manifold- in. w.c.	22.2	22.2
Temperature at manifold – F	96	96
Undiluted flow rate – acfm	195	250
Pressure at blower discharge – psi	15.0	25.0
Temperature at blower discharge	91	91
Diluted flow rate – acfm (C1 influent)	195	250
Extraction wells online	ALL	All
Extraction wells offline	None	None
C2 Effluent concentration – ppm (HEX/ISO) Maximum effluent concentration 5 ppm as hexane, per AQMD permit condition 15.	0.0/0.0	0.0/0.0

Comments:

Main Office
1523 Sterling Court
Escondido, CA 92029
Phone: 760-546-6456
Fax: 760-546-6476

Business Contact
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Oil Staging Area Vapor Extraction Report

SVE Extraction Well Data

Date: 10-6-06

Measured with PID calibrated to 50-ppm Hexane. Readings also taken with PID calibrated to 100-ppm Isobutylene

WELL ID	PSVE-8		PSVE-9		ARRIVAL DEPARTURE	
	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE
Time	10:30	12:45	10:30	12:45		
PPM (HEX/ISO)	0.0/0.5	0.0/0.5	14.2/1.6	14.2/1.6	/	/
Flow – acfm	119	182	115	152		
Vacuum - in.w.c. Or in. h.g.	18.2		12.6			
TO-15 sample - yes/no	No	No	No	No		
Extraction well online – yes/no	Yes	Yes	Yes	Yes		

Carbon Adsorption Data Arrival

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME: 8:45	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 – maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0/0	0/0	0/0	0/0
Effluent C1 – maximum effluent concentration 50 ppmv as hexane per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 – maximum effluent concentration 5 ppmv as hexane per AQMD permit condition 15.	0/0	0/0	0/0	0/0

Carbon Adsorption Data Departure

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME:	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 – maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0/0.5	0/0.5	0/0.5	0/0.5
Effluent C1 – maximum effluent concentration 50 ppmv per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 – maximum effluent concentration 5 ppmv as hexane per AQMD permit	0/0	0/0	0/0	0/0

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Oil Staging Area Vapor Extraction Report

Site Address	13500 Paxton Street Pacoima CA	VES location	Near Oil Staging area
Date	10/17/2006	Arrival time	14:00
Client Project Manager	Meg Mendoza	Departure time	17:00
DE Project Engineer	David Drewelow		
DE Project Manager	Mark Drewelow		
DE Specialist 1	Dominic Koorn		
Run time percentage	Run hours	Today's hours	Last visit hours
Time taken:	143	17530	17387
AQMD Permit #	F62841	Startup date	8/15/06
Equipment type	DE250	Serial number	DE-52
Routine O&M	Yes		
Non Routine O&M	Yes		
Parts needed			
Parts installed	High Water Switch		
55 gallon DOT drums in treatment compound	1		
Carbon Vessels Positions	Lead: DE-67	Lag: DE-68	Static:

VES Operating Data Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

	ARRIVAL	DEPARTURE
Time	14:00	16:00
VES Operating	Yes	Yes
Undiluted influent – ppm (HEX/ISO)	14.2/2.1	14.2/2.1
Diluted influent ppm – (HEX/ISO) maximum diluted influent concentration 5000 ppmv as hexane, per AQMD permit condition 11 and 12.	13.6/0.9	14.5/0.4
Adding dilution air (yes/no)	Yes	No
Dilution air valve closed x turns	4	10
Vacuum at manifold- in. w.c.	19.2	25.1
Temperature at manifold – F	82	81
Undiluted flow rate – acfm	250	250
Pressure at blower discharge – psi	25	25
Temperature at blower discharge	99	96
Diluted flow rate – acfm (C1 influent)	259	251.6
Extraction wells online	ALL	All
Extraction wells offline	None	None
C2 Effluent concentration – ppm (HEX/ISO) Maximum effluent concentration 5 ppm as hexane, per AQMD permit condition 15.	0.0/0.0	0.0/0.0

Comments:

Main Office
1523 Sterling Court
Escondido, CA 92029
Phone: 760-546-6456
Fax: 760-546-6476

Business Contact
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702-255-5933
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Oil Staging Area Vapor Extraction Report

SVE Extraction Well Data

Date: 10-¹²~~6~~-06

Measured with PID calibrated to 50-ppm Hexane. Readings also taken with PID calibrated to 100-ppm Isobutylene

WELL ID	PSVE-8		PSVE-9		ARRIVAL DEPARTURE	
	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE
Time	15:00	16:00	15:00	16:00		
PPM (HEX/ISO)	14.2/1.7	18.7/1.8	14.2/2.9	31.2/1.8	/	/
Flow - acfm	137	193	106	155		
Vacuum - in.w.c. Or in. h.g.	13.2	20.8	14.6	21.5		
TO-15 sample - yes/no	No	No	No	No		
Extraction well online - yes/no	Yes	Yes	Yes	Yes		

Carbon Adsorption Data Arrival

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME: 8:45	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 - maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	14.2/0.5	12.6/1.7	14.2/0.5	13.6/0.9
Effluent C1 - maximum effluent concentration 50 ppmv as hexane per AQMD permit condition 14.	0/0	0/0.5	0/0	0/0.16
Effluent C2 - maximum effluent concentration 5 ppmv as hexane per AQMD permit condition 15.	0/0	0/0	0/0	0/0

Carbon Adsorption Data Departure

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME:	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 - maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	18.7/0.0	6.2/0.6	18.7/0.6	14.5/0.4
Effluent C1 - maximum effluent concentration 50 ppmv per AQMD permit condition 14.	6.2/0.6	0/0	0/0	2.0/0.0
Effluent C2 - maximum effluent concentration 5 ppmv as hexane per AQMD permit	0/0	0/0	0/0	0/0

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Oil Staging Area Vapor Extraction Report

Site Address	13500 Paxton Street Pacoima CA	VES location	Near Oil Staging area
Date	10/26/2006	Arrival time	8:00
Client Project Manager	Meg Mendoza	Departure time	9:00
DE Project Engineer	David Drewelow		
DE Project Manager	Mark Drewelow		
DE Specialist 1	Dominic Koorn		
Run time percentage	Run hours	Today's hours	Last visit hours
Time taken:	208	17738	17530
AQMD Permit #	F62841	Startup date	8/15/06
Equipment type	DE250	Serial number	DE-52
Routine O&M	Yes		
Non Routine O&M	No		
Parts needed	No		
Parts installed	No		
55 gallon DOT drums in treatment compound	1		
Carbon Vessels Positions	Lead: DE-67	Lag: DE-68	Static:

VES Operating Data Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

	ARRIVAL	DEPARTURE
Time	8:00	9:00
VES Operating	Yes	Yes
Undiluted influent – ppm (HEX/ISO)	24.9/1.8	24.9/1.8
Diluted influent ppm – (HEX/ISO) maximum diluted influent concentration 5000 ppmv as hexane, per AQMD permit condition 11 and 12.	20.7/1.4	20.7/1.4
Adding dilution air (yes/no)	No	No
Dilution air valve closed x turns	10	10
Vacuum at manifold- in. w.c.	25.2	25.2
Temperature at manifold – F	88	88
Undiluted flow rate – acfm	250	250
Pressure at blower discharge – psi	24	24
Temperature at blower discharge	86	86
Diluted flow rate – acfm (C1 influent)	250	250
Extraction wells online	ALL	ALL
Extraction wells offline	None	None
C2 Effluent concentration – ppm (HEX/ISO) Maximum effluent concentration 5 ppm as hexane, per AQMD permit condition 15.	0/0	0/0

Comments:

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Oil Staging Area Vapor Extraction Report

SVE Extraction Well Data

Date: 10-~~2~~³-06

Measured with PID calibrated to 50-ppm Hexane. Readings also taken with PID calibrated to 100-ppm Isobutylene

WELL ID	PSVE-8		PSVE-9		ARRIVAL DEPARTURE	
	ARRIVAL DEPARTURE		ARRIVAL DEPARTURE		ARRIVAL DEPARTURE	
Time	8:00		8:00			
PPM (HEX/ISO)	21.4/1.8		35.7/1.8		/	/
Flow – acfm	218		166			
Vacuum - in.w.c. Or in. h.g.	20.6		21.1			
TO-15 sample - yes/no	No		No			
Extraction well online – yes/no	Yes		Yes			

Carbon Adsorption Data Arrival

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME: 8:45	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 – maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	24.9/0.6	12.4/1.8	24.9/1.8	20.7/1.4
Effluent C1 – maximum effluent concentration 50 ppmv as hexane per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 – maximum effluent concentration 5 ppmv as hexane per AQMD permit condition 15.	0/0	0/0	0/0	0/0

Carbon Adsorption Data Departure

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME:	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 – maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	24.9/0.6	12.4/1.8	24.9/1.8	20.7/1.4
Effluent C1 – maximum effluent concentration 50 ppmv per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 – maximum effluent concentration 5 ppmv as hexane per AQMD permit	0/0	0/0	0/0	0/0

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Oil Staging Area Vapor Extraction Report

Site Address	13500 Paxton Street Pacoima CA	VES location	Near Oil Staging area
Date	11/8/06	Arrival time	13:00
Client Project Manager	Meg Mendoza	Departure time	14:30
DE Project Engineer	David Drewelow		
DE Project Manager	Mark Drewelow		
DE Specialist 1	Dominic Koorn		
Run time percentage	Run hours	Today's hours	Last visit hours
Time taken:	187	18051	17864
AQMD Permit #	F62841	Startup date	8/15/06
Equipment type	DE250	Serial number	DE-52
Routine O&M	Yes		
Non Routine O&M	No		
Parts needed	N/A		
Parts installed	N/A		
55 gallon DOT drums in treatment compound	2		
Carbon Vessels Positions	Lead: DE-67	Lag: DE-68	Static:

VES Operating Data Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

	ARRIVAL	DEPARTURE
Time	13:00	
VES Operating	Yes	Yes
Undiluted influent – ppm (HEX/ISO)	6.6/0.6	6.6/0.6
Diluted influent ppm – (HEX/ISO) maximum diluted influent concentration 5000 ppmv as hexane, per AQMD permit condition 11 and 12.	0/0	0/0
Adding dilution air (yes/no)	No	No
Dilution air valve closed x turns	10	10
Vacuum at manifold- in. w.c.	24.1	24.1
Temperature at manifold – F	86	86
Undiluted flow rate – acfm	250	250
Pressure at blower discharge – psi	25	25
Temperature at blower discharge	1170	1170
Diluted flow rate – acfm (C1 influent)	250	250
Extraction wells online	All	All
Extraction wells offline	None	None
C2 Effluent concentration – ppm (HEX/ISO)	0/0	0/0
Maximum effluent concentration 5 ppm as hexane, per AQMD permit condition 15.		

Comments:

High Switch and hose removed from drum/ Hose disconnected from transfer pump/ Pump in off position/ Drum Full

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Oil Staging Area Vapor Extraction Report

SVE Extraction Well Data

Date: ~~10-6-06~~ 11-8-06

Measured with PID calibrated to 50-ppm Hexane. Readings also taken with PID calibrated to 100-ppm Isobutylene

WELL ID	PSVE-8		PSVE-9		ARRIVAL DEPARTURE	
	ARRIVAL DEPARTURE		ARRIVAL DEPARTURE		ARRIVAL DEPARTURE	
Time	13:00		13:00			
PPM (HEX/ISO)	7.1/0.6	7.1/0.6	21.4/0.6	7.1/0.6	/	/
Flow - acfm	173	173	147	147		
Vacuum - in.w.c. Or in. h.g.	19.8	19.8	20.1	20.1		
TO-15 sample - yes/no	No	No	No	No		
Extraction well online - yes/no	Yes	Yes	Yes	Yes		

Carbon Adsorption Data Arrival

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME: 8:45	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 - maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	7.1/0.6	5.6/0.6	7.1/0.7	6.6/0.6
Effluent C1 - maximum effluent concentration 50 ppmv as hexane per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 - maximum effluent concentration 5 ppmv as hexane per AQMD permit condition 15.	0/0	0/0	0/0	0/0

Carbon Adsorption Data Departure

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME:	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 - maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	7.1/0.6	5.6/0.6	7.1/0.7	6.6/0.6
Effluent C1 - maximum effluent concentration 50 ppmv per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 - maximum effluent concentration 5 ppmv as hexane per AQMD permit	0/0	0/0	0/0	0/0

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Oil Staging Area Vapor Extraction Report

Site Address	13500 Paxton Street Pacoima CA	VES location	Near Oil Staging area
Date	11/13/06	Arrival time	13:00
Client Project Manager		Departure time	
DE Project Engineer	David Drewelow		
DE Project Manager	Mark Drewelow		
DE Specialist 1	Dominic Koorn		
Run time percentage	Run hours	Today's hours	Last visit hours
Time taken:	119	18170	18051
AQMD Permit #	F62841	Startup date	8/15/06
Equipment type	DE250	Serial number	DE-52
Routine O&M	Yes		
Non Routine O&M	No		
Parts needed	No		
Parts installed	No		
55 gallon DOT drums in treatment compound	2		
Carbon Vessels Positions	Lead: DE-67	Lag: DE-68	Static:

VES Operating Data Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

	ARRIVAL	DEPARTURE
Time	13:00	13:00
VES Operating	Yes	Yes
Undiluted influent – ppm (HEX/ISO)	0/0	0/0
Diluted influent ppm – (HEX/ISO) maximum diluted influent concentration 5000 ppmv as hexane, per AQMD permit condition 11 and 12.	0/0	0/0
Adding dilution air (yes/no)	No	No
Dilution air valve closed x turns	10	10
Vacuum at manifold- in. w.c.	23.3	23.3
Temperature at manifold – F	750	750
Undiluted flow rate – acfm	250	250
Pressure at blower discharge – psi	24	24
Temperature at blower discharge	940	940
Diluted flow rate – acfm (C1 influent)	250	250
Extraction wells online	All	All
Extraction wells offline	None	None
C2 Effluent concentration – ppm (HEX/ISO) Maximum effluent concentration 5 ppm as hexane, per AQMD permit condition 15.	0/0	0/0

Comments:

PID was calibrated before readings and bump checked after and all readings were checked 6 times all 0

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Oil Staging Area Vapor Extraction Report

SVE Extraction Well Data

Date: ~~10-6-06~~ 11-13-06

Measured with PID calibrated to 50-ppm Hexane. Readings also taken with PID calibrated to 100-ppm Isobutylene

WELL ID	PSVE-8		PSVE-9		ARRIVAL DEPARTURE	
	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE
Time	13:00	13:00	13:00	13:00		
PPM (HEX/ISO)	0.0/0.0	0.0/0.0	0.0/0.0	0.0/0.0	/	/
Flow – acfm	178	178	154	154		
Vacuum - in.w.c. Or in. h.g.	18.2	18.2	19.3	19.3		
TO-15 sample - yes/no	No	No	No	No		
Extraction well online – yes/no	Yes	Yes	Yes	Yes		

Carbon Adsorption Data Arrival

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME: 8:45	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 – maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0/0	0/0	0/0	0/0
Effluent C1 – maximum effluent concentration 50 ppmv as hexane per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 – maximum effluent concentration 5 ppmv as hexane per AQMD permit condition 15.	0/0	0/0	0/0	0/0

Carbon Adsorption Data Departure

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME:	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 – maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0.00	0/0	0/0	0/0
Effluent C1 – maximum effluent concentration 50 ppmv per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 – maximum effluent concentration 5 ppmv as hexane per AQMD permit	0/0	0/0	0/0	0/0

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Oil Staging Area Vapor Extraction Report

Site Address	13500 Paxton Street Pacoima CA	VES location	Near Oil Staging area
Date	11/20/06	Arrival time	13:15
Client Project Manager		Departure time	14:45
DE Project Engineer	David Drewelow		
DE Project Manager	Mark Drewelow		
DE Specialist 1	Dominic Koorn		
Run time percentage	Run hours	Today's hours	Last visit hours
Time taken:	68	18238	18170
AQMD Permit #	F62841	Startup date	8/15/06
Equipment type	DE250	Serial number	DE-52
Routine O&M	Yes		
Non Routine O&M	Yes (Bypass Limit for High water) Turn pump off		
Parts needed	No		
Parts installed	No		
55 gallon DOT drums in treatment compound	2 Full Drums		
Carbon Vessels Positions	Lead: DE-67	Lag: DE-68	Static:

VES Operating Data Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

	ARRIVAL	DEPARTURE
Time	13:15	14:45
VES Operating	NO	Yes
Undiluted influent – ppm (HEX/ISO)		0.0/0.0
Diluted influent ppm – (HEX/ISO) maximum diluted influent concentration 5000 ppmv as hexane, per AQMD permit condition 11 and 12.		0.0/0.0
Adding dilution air (yes/no)		No
Dilution air valve closed x turns		10
Vacuum at manifold- in. w.c.		22.3
Temperature at manifold – F		84
Undiluted flow rate – acfm		250
Pressure at blower discharge – psi		24
Temperature at blower discharge		105
Diluted flow rate – acfm (C1 influent)		250
Extraction wells online		All
Extraction wells offline		None
C2 Effluent concentration – ppm (HEX/ISO)		0.0/0.0
Maximum effluent concentration 5 ppm as hexane, per AQMD permit condition 15.		

Comments:

PID was calibrated before readings and bump checked after and all readings were checked 6 times all 0

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Oil Staging Area Vapor Extraction Report

SVE Extraction Well Data

Date: ~~10-6-06~~ 11-20-08

Measured with PID calibrated to 50-ppm Hexane. Readings also taken with PID calibrated to 100-ppm Isobutylene

WELL ID	PSVE-8		PSVE-9		ARRIVAL DEPARTURE	
	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE
Time	Off	14:45	Off	14:45		
PPM (HEX/ISO)		0.0/0.0		0.0/0.0	/	/
Flow - acfm		182		165		
Vacuum - in.w.c. Or in. h.g.		18.1		18.7		
TO-15 sample - yes/no		No		No		
Extraction well online - yes/no		Yes		Yes		

Carbon Adsorption Data Arrival

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME: 8:45	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 - maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	OFF			
Effluent C1 - maximum effluent concentration 50 ppmv as hexane per AQMD permit condition 14.				
Effluent C2 - maximum effluent concentration 5 ppmv as hexane per AQMD permit condition 15.				

Carbon Adsorption Data Departure

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME:	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 - maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0/0	0/0	0/0	0/0
Effluent C1 - maximum effluent concentration 50 ppmv per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 - maximum effluent concentration 5 ppmv as hexane per AQMD permit	0/0	0/0	0/0	0/0

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Oil Staging Area Vapor Extraction Report

Site Address	13500 Paxton Street Pacoima CA	VES location	Near Oil Staging area
Date	11/27/06	Arrival time	13:00
Client Project Manager		Departure time	15:00
DE Project Engineer	David Drewelow		
DE Project Manager	Mark Drewelow		
DE Specialist 1	Dominic Koorn		
Run time percentage	Run hours	Today's hours	Last visit hours
Time taken:	168	18406	18238
AQMD Permit #	F62841	Startup date	8/15/06
Equipment type	DE250	Serial number	DE-52
Routine O&M	Yes		
Non Routine O&M	No		
Parts needed			
Parts installed			
55 gallon DOT drums in treatment compound			
Carbon Vessels Positions	Lead: DE-67	Lag: DE-68	Static:

VES Operating Data Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

	ARRIVAL	DEPARTURE
Time	13:30	15:00
VES Operating	Yes	Yes
Undiluted influent – ppm (HEX/ISO)	5.1/0.6	5.1/0.6
Diluted influent ppm – (HEX/ISO) maximum diluted influent concentration 5000 ppmv as hexane, per AQMD permit condition 11 and 12.		
Adding dilution air (yes/no)	No	No
Dilution air valve closed x turns	10	10
Vacuum at manifold- in. w.c.	22.7	22.7
Temperature at manifold – F	65	65
Undiluted flow rate – acfm	247	247
Pressure at blower discharge – psi	24	24
Temperature at blower discharge	86	86
Diluted flow rate – acfm (C1 influent)	247	247
Extraction wells online	All	All
Extraction wells offline	None	None
C2 Effluent concentration – ppm (HEX/ISO) Maximum effluent concentration 5 ppm as hexane, per AQMD permit condition 15.	0.0/0.0	0.0/0.0

Comments:

PID was calibrated before readings and bump checked after and all readings were checked 6 times all 0

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Oil Staging Area Vapor Extraction Report

SVE Extraction Well Data

Date: ~~10-6-06~~ 11-27-06

Measured with PID calibrated to 50-ppm Hexane. Readings also taken with PID calibrated to 100-ppm Isobutylene

WELL ID	PSVE-8		PSVE-9		ARRIVAL DEPARTURE	
	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE
Time	13:30	15:00	13:30	15:00		
PPM (HEX/ISO)	0.0/0.0	0.0/0.0	7.1/1.2	7.1/1.2	/	/
Flow – acfm	178	178	151	151		
Vacuum - in.w.c. Or in. h.g.	18.9	18.9	19.0	19.0		
TO-15 sample - yes/no	No	No	No	No		
Extraction well online – yes/no	Yes	Yes	Yes	Yes		

Carbon Adsorption Data Arrival

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME: 8:45	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 – maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0/0	0/0	0/0	0/0
Effluent C1 – maximum effluent concentration 50 ppmv as hexane per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 – maximum effluent concentration 5 ppmv as hexane per AQMD permit condition 15.	0/0	0/0	0/0	0/0

Carbon Adsorption Data Departure

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME:	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 – maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0/0	0/0	0/0	0/0
Effluent C1 – maximum effluent concentration 50 ppmv per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 – maximum effluent concentration 5 ppmv as hexane per AQMD permit	0/0	0/0	0/0	0/0

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Oil Staging Area Vapor Extraction Report

Site Address	13500 Paxton Street Pacoima CA	VES location	Near Oil Staging area
Date	12/5/06	Arrival time	14:00
Client Project Manager		Departure time	16:00
DE Project Engineer	David Drewelow		
DE Project Manager	Mark Drewelow		
DE Specialist 1	Dominic Koorn		
Run time percentage	Run hours	Today's hours	Last visit hours
Time taken:	141	18547	18406
AQMD Permit #	F62841	Startup date	8/15/06
Equipment type	DE250	Serial number	DE-52
Routine O&M			
Non Routine O&M	Installed VFD		
Parts needed	NONE		
Parts installed	VFD		
55 gallon DOT drums in treatment compound	12 Discharge Drum ¼ Full		
Carbon Vessels Positions	Lead: DE-67	Lag: DE-68	Static:

VES Operating Data Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

	ARRIVAL	DEPARTURE
Time	15:00	16:00
VES Operating	Yes	Yes
Undiluted influent – ppm (HEX/ISO)	0.0/1.3	0.0/1.3
Diluted influent ppm – (HEX/ISO) maximum diluted influent concentration 5000 ppmv as hexane, per AQMD permit condition 11 and 12.	0.0	0.0
Adding dilution air (yes/no)	No	No
Dilution air valve closed x turns	10	10
Vacuum at manifold- in. w.c.	22.9	22.9
Temperature at manifold – F	72	72
Undiluted flow rate – acfm	250	250
Pressure at blower discharge – psi	24	24
Temperature at blower discharge	91	91
Diluted flow rate – acfm (C1 influent)	250	250
Extraction wells online	All	All
Extraction wells offline	None	None
C2 Effluent concentration – ppm (HEX/ISO) Maximum effluent concentration 5 ppm as hexane, per AQMD permit condition 15.	0.0/0.0	0.0/0.0

Comments:

PID was calibrated before readings and bump checked after and all readings were checked 6 times all 0

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Oil Staging Area Vapor Extraction Report

SVE Extraction Well Data

Date: ~~10-6-06~~ 12-5-08

Measured with PID calibrated to 50-ppm Hexane. Readings also taken with PID calibrated to 100-ppm Isobutylene

WELL ID	PSVE-8		PSVE-9		ARRIVAL DEPARTURE	
	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE
Time	15:00	16:00	15:00	16:00		
PPM (HEX/ISO)	8.3/1.3	8.3/1.3	0.0/0.7	0.0/0.7	/	/
Flow – acfm	190	190	166	166		
Vacuum - in.w.c. Or in. h.g.	18.5	18.5	18.8	18.8		
TO-15 sample - yes/no	No	No	No	No		
Extraction well online – yes/no	Yes	Yes	Yes	Yes		

Carbon Adsorption Data Arrival

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME: 1600	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 – maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0/1.3	0/0	0/1.3	0/.87
Effluent C1 – maximum effluent concentration 50 ppmv as hexane per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 – maximum effluent concentration 5 ppmv as hexane per AQMD permit condition 15.	0/0	0/0	0/0	0/0

Carbon Adsorption Data Departure

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME:	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 – maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0/1.3	0/0	0/1.3	0/.87
Effluent C1 – maximum effluent concentration 50 ppmv per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 – maximum effluent concentration 5 ppmv as hexane per AQMD permit	0/0	0/0	0/0	0/0

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Oil Staging Area Vapor Extraction Report

Site Address	13500 Paxton Street Pacoima CA	VES location	Near Oil Staging area
Date	12/11/06	Arrival time	11:00
Client Project Manager		Departure time	12:00
DE Project Engineer	David Drewelow		
DE Project Manager	Mark Drewelow		
DE Specialist 1	Dominic Koorn		
Run time percentage	Run hours	Today's hours	Last visit hours
Time taken:	140	18687	18547
AQMD Permit #	F62841	Startup date	8/15/06
Equipment type	DE250	Serial number	DE-52
Routine O&M	Yes		
Non Routine O&M	No		
Parts needed	No		
Parts installed	No		
55 gallon DOT drums in treatment compound	12 Drums/ 4 Full		
Carbon Vessels Positions	Lead: DE-67	Lag: DE-68	Static:

VES Operating Data Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

	ARRIVAL	DEPARTURE
Time	11:00	12:00
VES Operating	Yes	Yes
Undiluted influent – ppm (HEX/ISO)	7.1/0.0	7.1/0.0
Diluted influent ppm – (HEX/ISO) maximum diluted influent concentration 5000 ppmv as hexane, per AQMD permit condition 11 and 12.	0.0/0.0	0.0/0.0
Adding dilution air (yes/no)	No	No
Dilution air valve closed x turns	10	10
Vacuum at manifold- in. w.c.	26.1	26.1
Temperature at manifold – F	69	69
Undiluted flow rate – acfm	250	250
Pressure at blower discharge – psi	24	24
Temperature at blower discharge	91	91
Diluted flow rate – acfm (C1 influent)	250	250
Extraction wells online	All	All
Extraction wells offline	None	None
C2 Effluent concentration – ppm (HEX/ISO) Maximum effluent concentration 5 ppm as hexane, per AQMD permit condition 15.	0.0/0.0	0.0/0.0

Comments: Drum Half Full

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Oil Staging Area Vapor Extraction Report

SVE Extraction Well Data

Date: ~~10-6-06~~ 12-11-06

Measured with PID calibrated to 50-ppm Hexane. Readings also taken with PID calibrated to 100-ppm Isobutylene

WELL ID	PSVE-8		PSVE-9		ARRIVAL DEPARTURE	
	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE
Time	11:00	12:00	11:00	12:00	/	/
PPM (HEX/ISO)	7.1/0.0	7.1/0.0	7.1/0.0	7.1/0.0	/	/
Flow - acfm	189	189	135	135		
Vacuum - in.w.c. Or in. h.g.	21.3	21.3	21.6	21.6		
TO-15 sample - yes/no	No	No	No	No		
Extraction well online - yes/no	Yes	Yes	Yes	Yes		

Carbon Adsorption Data Arrival

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME: 8:45	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 - maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0/0	0/0	0/0	0/0
Effluent C1 - maximum effluent concentration 50 ppmv as hexane per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 - maximum effluent concentration 5 ppmv as hexane per AQMD permit condition 15.	0/0	0/0	0/0	0/0

Carbon Adsorption Data Departure

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME:	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 - maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0/0	0/0	0/0	0/0
Effluent C1 - maximum effluent concentration 50 ppmv per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 - maximum effluent concentration 5 ppmv as hexane per AQMD permit	0/0	0/0	0/0	0/0

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Oil Staging Area Vapor Extraction Report

Site Address	13500 Paxton Street Pacoima CA	VES location	Near Oil Staging area
Date	12/19/06	Arrival time	11:15
Client Project Manager		Departure time	13:00
DE Project Engineer	David Drewelow		
DE Project Manager	Mark Drewelow		
DE Specialist 1	Dominic Koorn		
Run time percentage	Run hours	Today's hours	Last visit hours
Time taken:	165	18852	18687
AQMD Permit #	F62841	Startup date	8/15/06
Equipment type	DE250	Serial number	DE-52
Routine O&M	Yes		
Non Routine O&M	Yes		
Parts needed	No		
Parts installed	No		
55 gallon DOT drums in treatment compound	13		
Carbon Vessels Positions	Lead: DE-67	Lag: DE-68	Static:

VES Operating Data Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

	ARRIVAL	DEPARTURE
Time		11:30
VES Operating		Yes
Undiluted influent – ppm (HEX/ISO)		0.0/0.0
Diluted influent ppm – (HEX/ISO) maximum diluted influent concentration 5000 ppmv as hexane, per AQMD permit condition 11 and 12.		0.0/0.0
Adding dilution air (yes/no)		No
Dilution air valve closed x turns		10
Vacuum at manifold- in. w.c.		26.8
Temperature at manifold – F		63
Undiluted flow rate – acfm		250
Pressure at blower discharge – psi		24
Temperature at blower discharge		91
Diluted flow rate – acfm (C1 influent)		250
Extraction wells online		All
Extraction wells offline		None
C2 Effluent concentration – ppm (HEX/ISO)		0.0/0.0
Maximum effluent concentration 5 ppm as hexane, per AQMD permit condition 15.		

Comments: System down for high drum water /Switched Drums and pumped out knockout pot/Restarted

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Oil Staging Area Vapor Extraction Report

SVE Extraction Well Data

Date: ~~10-6-06~~ 12-19-06

Measured with PID calibrated to 50-ppm Hexane. Readings also taken with PID calibrated to 100-ppm Isobutylene

WELL ID	PSVE-8		PSVE-9		ARRIVAL DEPARTURE	
	ARRIVAL DEPARTURE		ARRIVAL DEPARTURE		ARRIVAL DEPARTURE	
Time	11:15	11:30	11:15	11:30		
PPM (HEX/ISO)	Off	0.0/0.0	Off	0.0/0.0	/	/
Flow - acfm		181		160		
Vacuum - in.w.c. Or in. h.g.		21.9		22.3		
TO-15 sample - yes/no		No		No		
Extraction well online - yes/no		Yes		Yes		

Carbon Adsorption Data Arrival

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME:	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 - maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	OFF			
Effluent C1 - maximum effluent concentration 50 ppmv as hexane per AQMD permit condition 14.				
Effluent C2 - maximum effluent concentration 5 ppmv as hexane per AQMD permit condition 15.				

Carbon Adsorption Data Departure

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME: 11:30	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 - maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0/0	0/0	0/0	0/0
Effluent C1 - maximum effluent concentration 50 ppmv per AQMD permit condition 14.	0/0	0/0	0/0	0/0
Effluent C2 - maximum effluent concentration 5 ppmv as hexane per AQMD permit	0/0	0/0	0/0	0/0

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Oil Staging Area Vapor Extraction Report

Site Address	13500 Paxton Street Pacoima CA	VES location	Near Oil Staging area
Date	12/27/06	Arrival time	11:00
Client Project Manager		Departure time	12:00
DE Project Engineer	David Drewelow		
DE Project Manager	Mark Drewelow		
DE Specialist 1	Dominic Koorn		
Run time percentage	Run hours	Today's hours	Last visit hours
Time taken:	191	19043	18852
AQMD Permit #	F62841	Startup date	8/15/06
Equipment type	DE250	Serial number	DE-52
Routine O&M	Yes		
Non Routine O&M	No		
Parts needed	No		
Parts installed	No		
55 gallon DOT drums in treatment compound	13 Drums – 11 Full		
Carbon Vessels Positions	Lead: DE-67	Lag: DE-68	Static:

VES Operating Data Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

	ARRIVAL	DEPARTURE
Time	11:00	12:00
VES Operating	Yes	Yes
Undiluted influent – ppm (HEX/ISO)	0.0/0.0	0.0/0.0
Diluted influent ppm – (HEX/ISO) maximum diluted influent concentration 5000 ppmv as hexane, per AQMD permit condition 11 and 12.	0.0/0.0	0.0/0.0
Adding dilution air (yes/no)	No	No
Dilution air valve closed x turns	10	10
Vacuum at manifold- in. w.c.	20.6	20.6
Temperature at manifold – F	65	65
Undiluted flow rate – acfm	250	250
Pressure at blower discharge – psi	24	24
Temperature at blower discharge	90	90
Diluted flow rate – acfm (C1 influent)	250	250
Extraction wells online	All	All
Extraction wells offline	None	None
C2 Effluent concentration – ppm (HEX/ISO) Maximum effluent concentration 5 ppm as hexane, per AQMD permit condition 15.	0.0	0.0

Comments: Filled Drum To Top And Switched to New Drum

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Oil Staging Area Vapor Extraction Report

SVE Extraction Well Data

Date: 10-6-06

Measured with PID calibrated to 50-ppm Hexane. Readings also taken with PID calibrated to 100-ppm Isobutylene

WELL ID	PSVE-8		PSVE-9		ARRIVAL DEPARTURE	
	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE	ARRIVAL	DEPARTURE
Time	11:00	12:00	11:00	12:00		
PPM (HEX/ISO)	0.0/0.0	0.0/0.0	0.0/0.0	0.0/0.0	/	/
Flow - acfm	191	191	160	160		
Vacuum - in.w.c. Or in. h.g.	19.2	19.2	19.5	19.5		
TO-15 sample - yes/no	No	No	No	No		
Extraction well online - yes/no	Yes	Yes	Yes	Yes		

Carbon Adsorption Data Arrival

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME: 11:00	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 - maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0.0/0.0	0.0/0.0	0.0/0.0	0.0/0.0
Effluent C1 - maximum effluent concentration 50 ppmv as hexane per AQMD permit condition 14.	0.0/0.0	0.0/0.0	0.0/0.0	0.0/0.0
Effluent C2 - maximum effluent concentration 5 ppmv as hexane per AQMD permit condition 15.	0.0/0.0	0.0/0.0	0.0/0.0	0.0/0.0

Carbon Adsorption Data Departure

Measured with PID calibrated to 50-ppm hexane per AQMD permit to construct/operate. Readings also taken with PID calibrated to 100-ppm Isobutylene

TIME: 11:30	READING 1 HEX / ISO	READING 2 HEX / ISO	READING 3 HEX / ISO	AVERAGE READING HEX / ISO
Influent C1 - maximum influent concentration 5000 ppmv as hexane per AQMD permit condition 11 and 12	0.0/0.0	0.0/0.0	0.0/0.0	0.0/0.0
Effluent C1 - maximum effluent concentration 50 ppmv per AQMD permit condition 14.	0.0/0.0	0.0/0.0	0.0/0.0	0.0/0.0
Effluent C2 - maximum effluent concentration 5 ppmv as hexane per AQMD permit	0.0/0.0	0.0/0.0	0.0/0.0	0.0/0.0

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